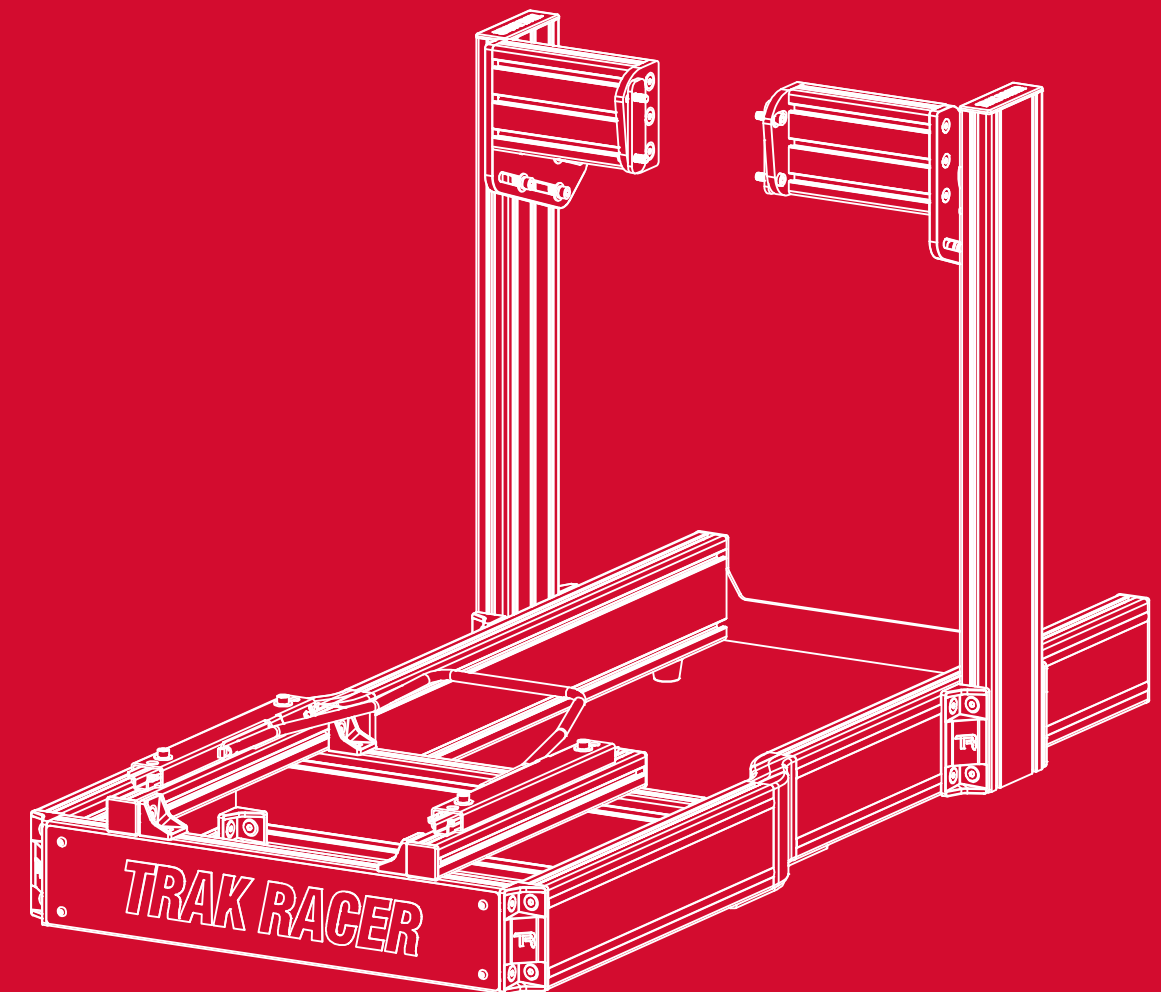




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TR120S - MANUAL VERSION 1A

TR120S SIMULATOR

Assembly Guide



IMPORTANT: Different regions may have different models. Please ensure the part numbers on the following pages match those on your product packaging.

01

SYMBOL LEGEND	01
---------------	----

02

PART LIST	02
-----------	----

03

ASSEMBLY NOTES	
TR120S	04

04

ASSEMBLY INSTRUCTIONS	
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PEDAL OPTIONS	20
TR80-PBPL2	21
TR80-PBAL2	29
TR80-HYPL2	39

SYMBOL LEGEND



IMPORTANT: Since there are different versions of each product based on your region, please make sure you are using the correct set of instructions. The part numbers on the following page should match the numbers on your product packaging.



IMPORTANT: Due to the nature of cut aluminum profiles, some metal shavings may remain despite our thorough QA cleaning process. We recommend opening boxes and packaging on a hard surface.



NOTE: Some screws and washers may be pre-installed. These are included in the parts list and will need to be loosened and reattached according to the instructions.



Recommended:
Two people for the task



Safety glasses required



Tighten the hardware



Attention/Priority needed



Keep the hardware loose
for adjustments



Reserve for the next step



Make the necessary adjustments



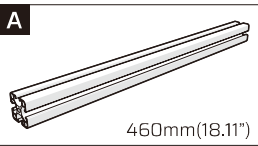
Mirrored components
(same on both sides)



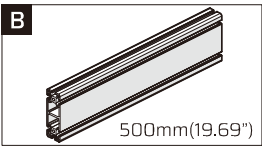
Break the tab off the corner bracket

PART LIST

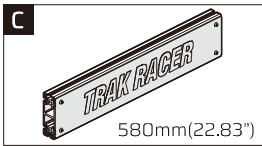
COMPONENTS



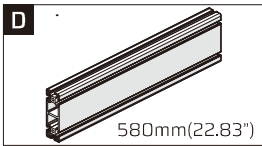
Aluminum Profile
AP-4040-460 **X2**



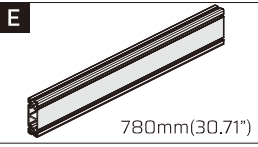
Aluminum Profile
AP-40120-500 **X2**



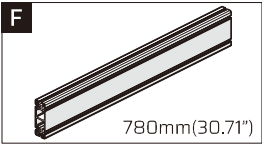
Chassis Rear End
AP-40120-580-1 **X1**



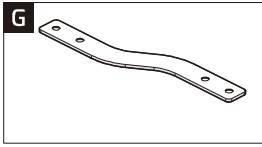
Aluminum Profile
AP-40120-580 **X1**



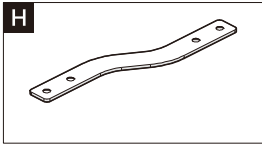
Aluminum Profile (Threaded)
AP-40120-780-B **X2**



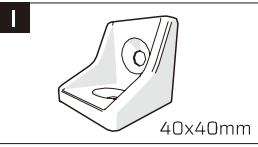
Aluminum Profile
AP-40120-780-A **X2**



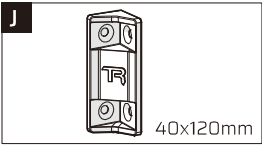
Middle Connector Plate
MCP-01 **X1**



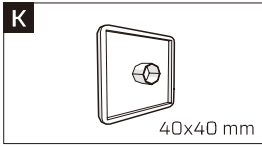
Middle Connector Plate
MCP-02 **X1**



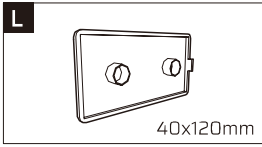
Corner Bracket
CB-40 **X8**



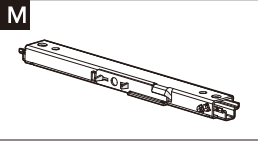
Corner Bracket
CB-120 **X6**



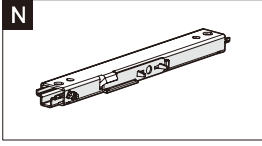
End Cap
EC-40 **X4**



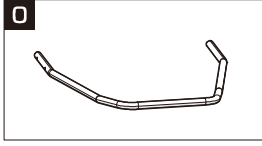
End Cap
EC-120 **X2**



Seat Slider Right
SSR-R **X1**



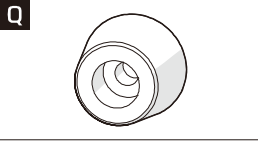
Seat Slider Left
SSL-L **X1**



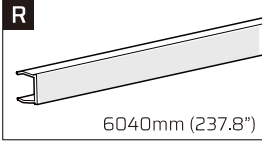
Seat Slider Lever
SSL-01 **X1**



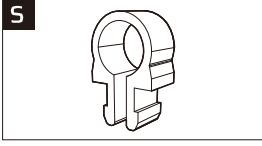
Front Logo Plate
FLP **X1**



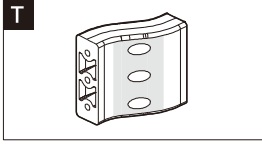
Rubber Feet
FR-01 **X6**



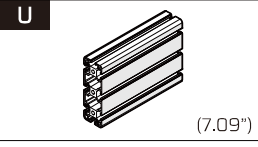
Red Profile Strip
PS-6040 **X1**



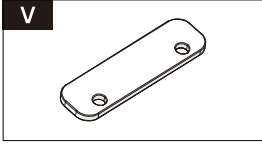
Cable Management Clip
CMC **X10**



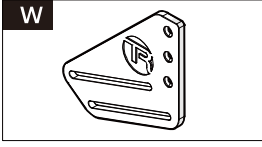
Middle Connector Par
MCP-03 **X2**



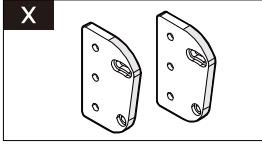
Aluminum Profile
TR-40120-180 **X2**



Mounting Plate
PM **X4**



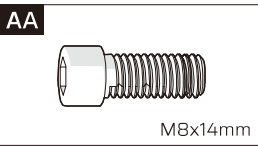
Outer Installation Plate
PIO **X2**



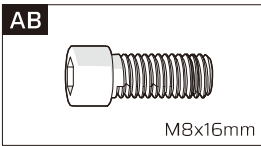
Middle Mounting Plate
PMM **X1**

PART LIST

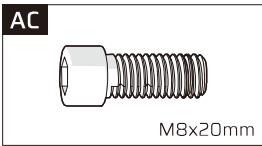
ACCESSORIES



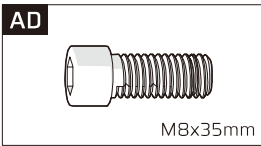
Hex Screw
SH-M8-14 **X5**



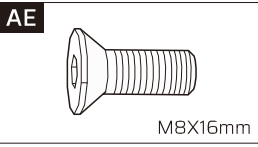
Hex Screw
SH-M8-16 **X5**



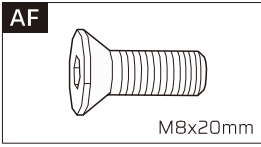
Hex Screw
SH-M8-20 **X7**



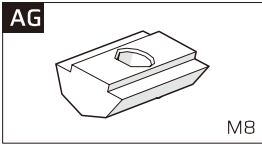
Hex Screw
SH-M8-35 **X10**



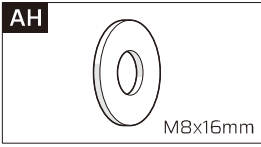
Screw (Flat)
SF-M8-16 **X42**



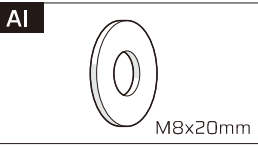
Screw (Flat)
SF-M8-20 **X14**



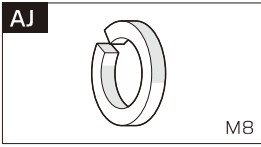
Ball Bearing Nut
NS-M8 **X52**



Washer (Flat)
WF-M8-16 **X4**

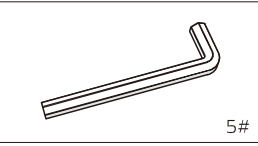


Washer (Flat)
WF-M8-20 **X6**

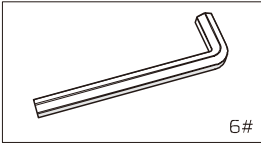


Washer (Lock)
WL-M8 **X9**

INCLUDED TOOLS



5mm Hex Key
5# **X1**

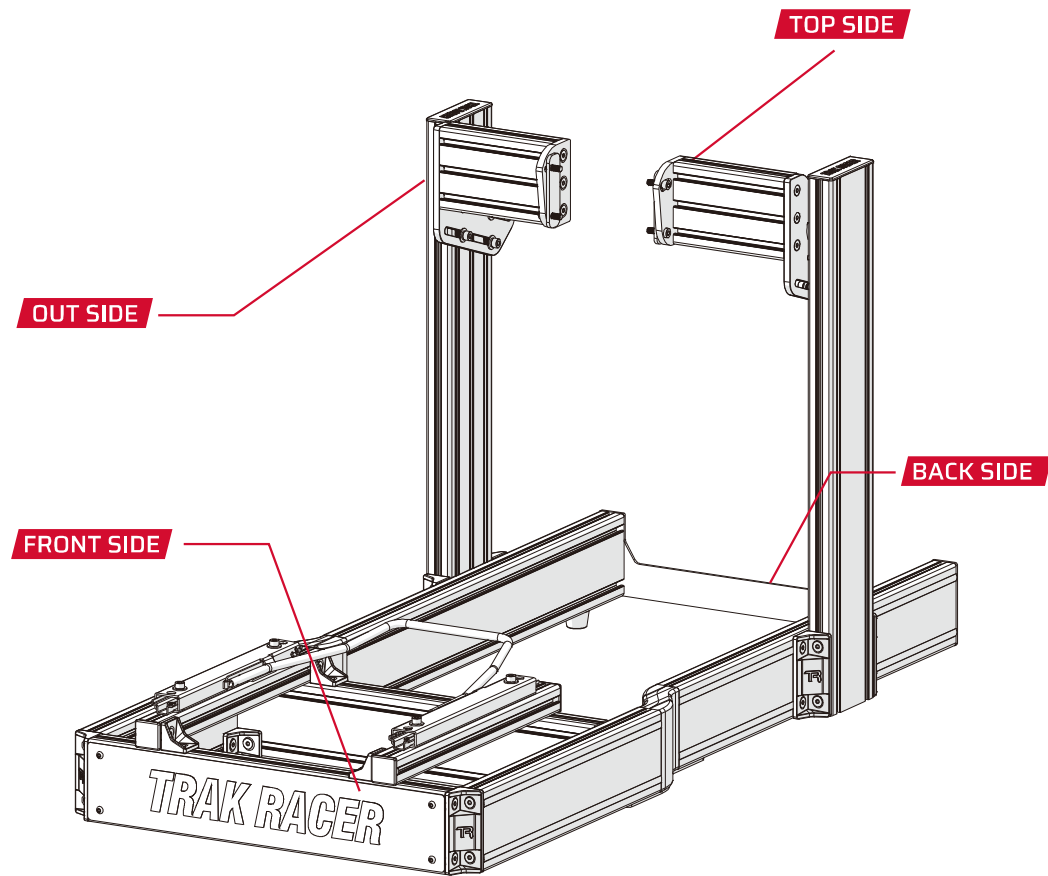


6mm Hex Key
6# **X1**

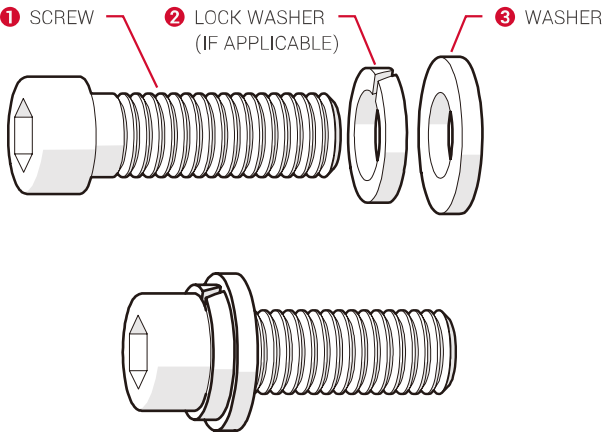
NOTE: Extra hardware may be included as spare parts.

ASSEMBLY NOTES

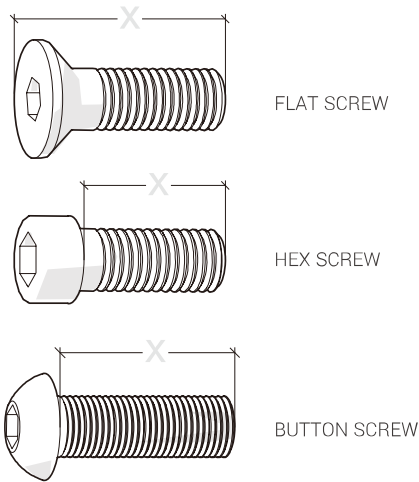
TR80S



INSTALLATION ORDER FOR SCREWS WASHERS

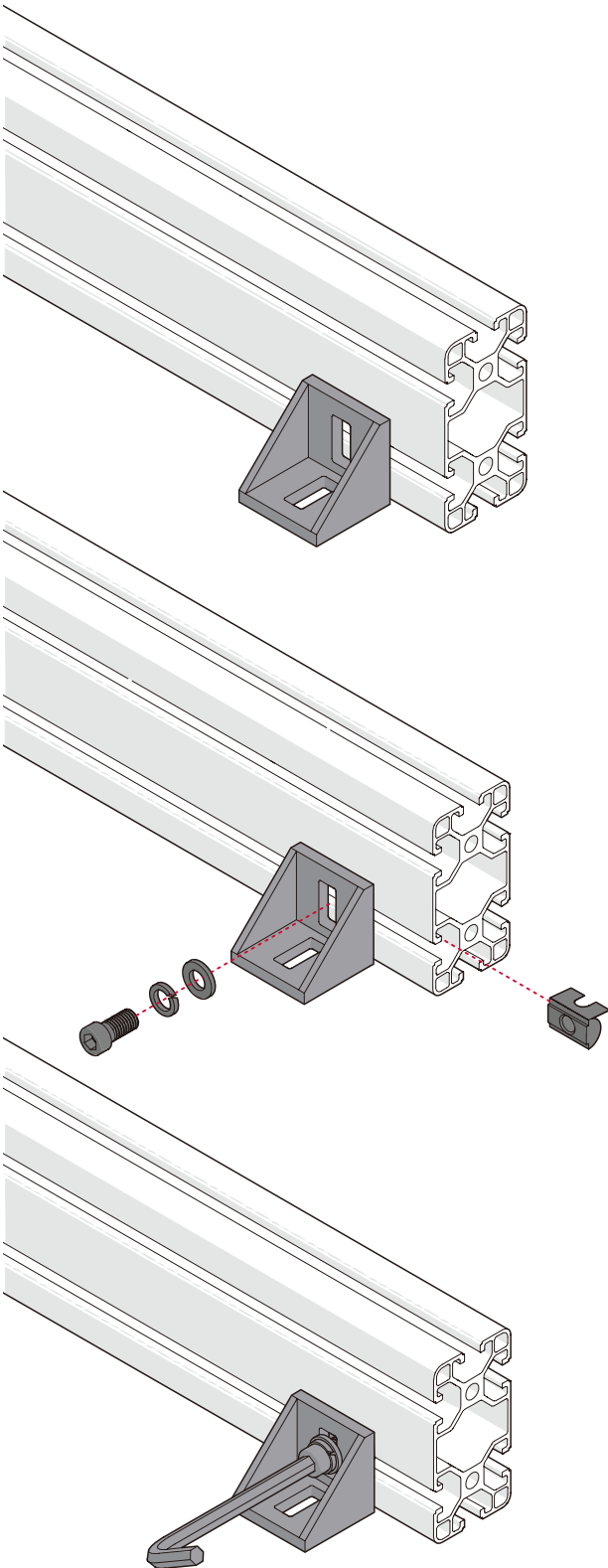


HOW TO MEASURE SCREWS

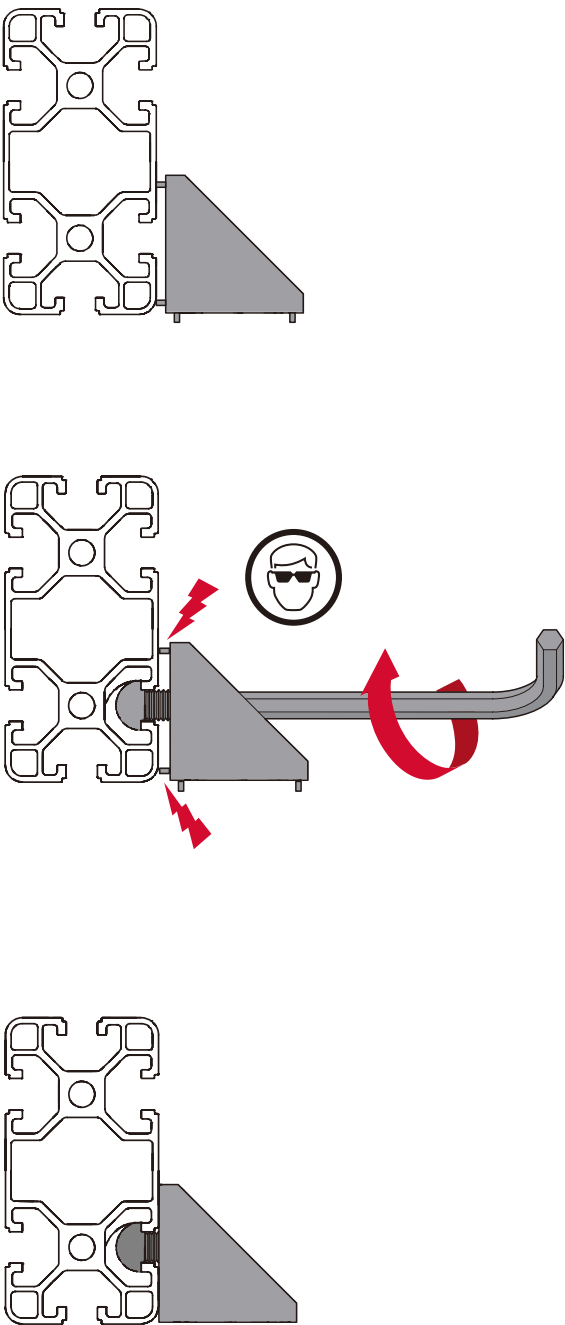


ASSEMBLY NOTES

BC-40-BLK & CB-40



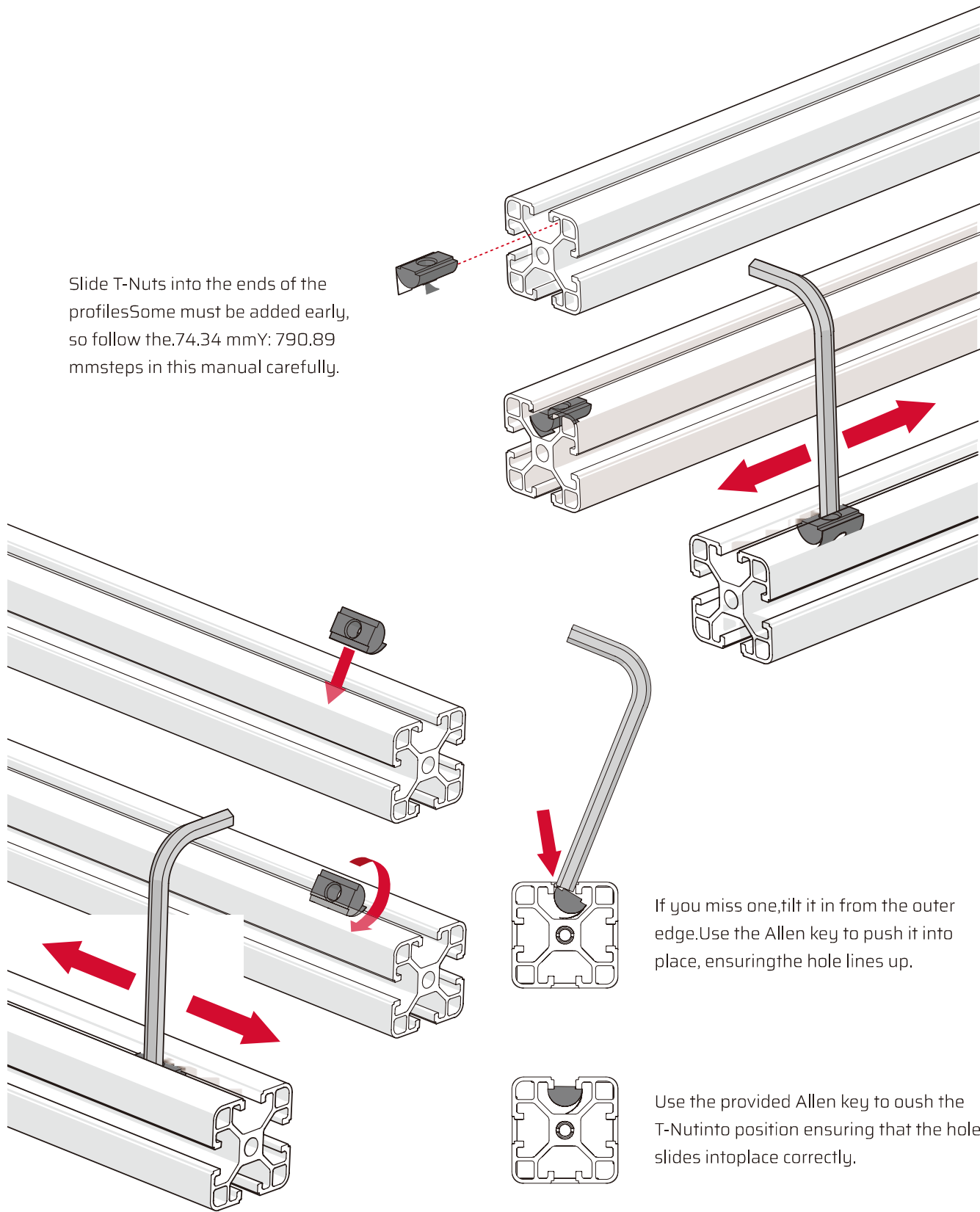
These brackets come with guide tabs on the rear. These tabs help align the brackets to the profile when fitted in the same orientation as the profile. When used in the alternate orientation, these tabs are designed to snap off for a flush mount against the profile.



ASSEMBLY NOTES

NS-M8 & NS-M6

Slide T-Nuts into the ends of the profiles. Some must be added early, so follow the 74.34 mm Y: 790.89 mm steps in this manual carefully.

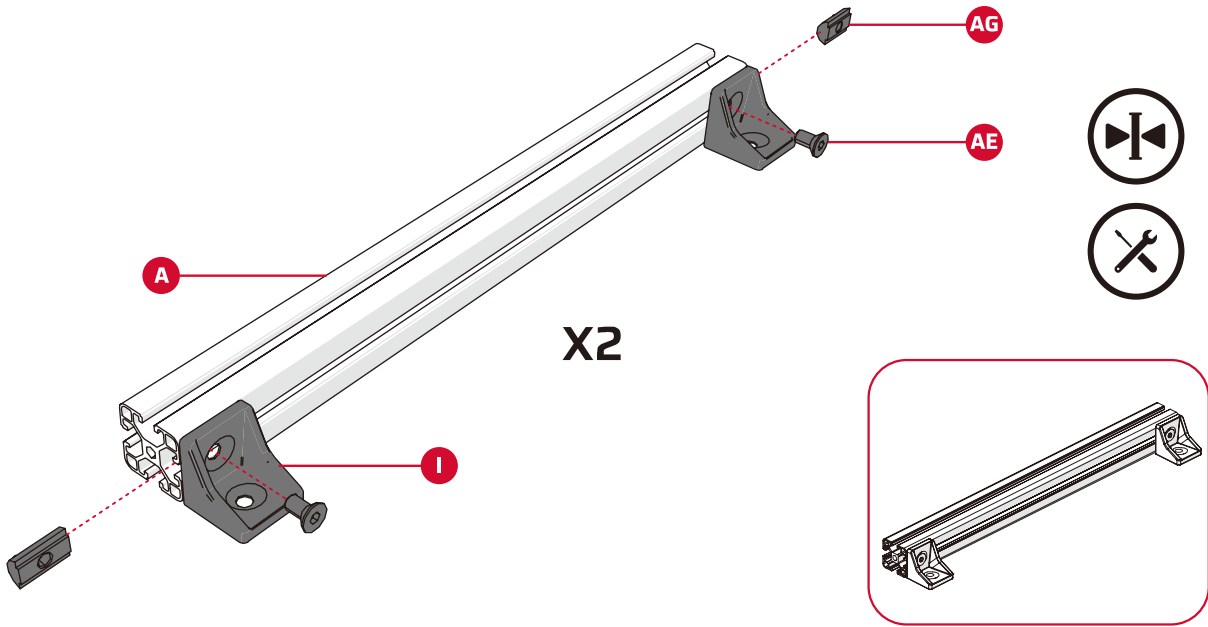


ASSEMBLY INSTRUCTIONS

TR120S

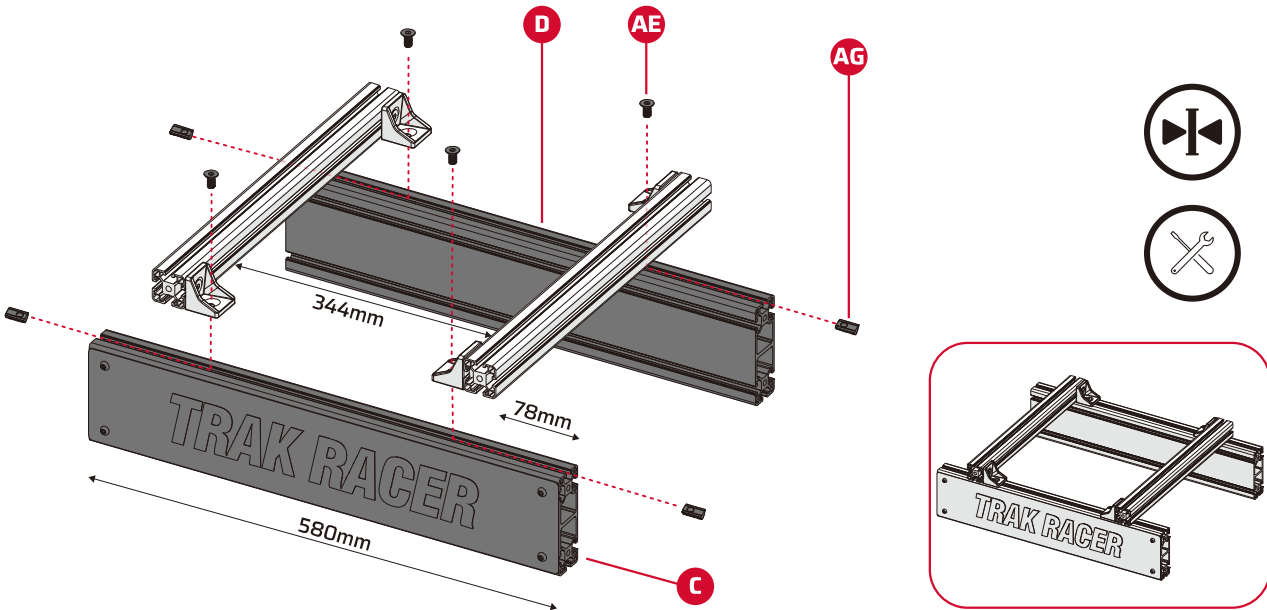
01

SUPPLIED			
A X2	I X4	AE X4	AG X4
AP-4040-460	CB-40	SF-M8-16	NS-M8



02

SUPPLIED			
C X1	D X1	AG X4	AE X4
AP-40120-580-1	AP-40120-580	NS-M8	SF-M8-16



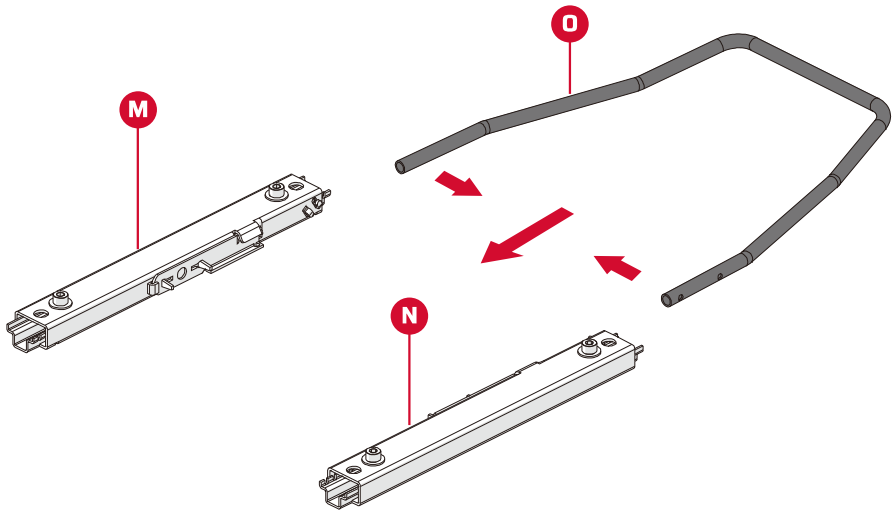
ASSEMBLY INSTRUCTIONS

TR120S

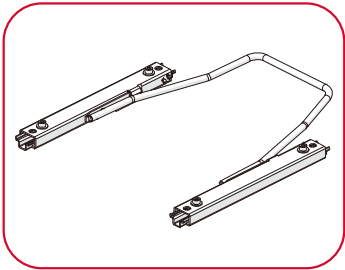
03

SUPPLIED

M X1	NX1	O X1
SSR-R	SSR-L	SSL-01



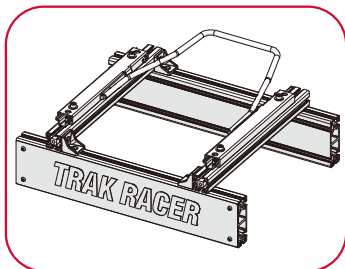
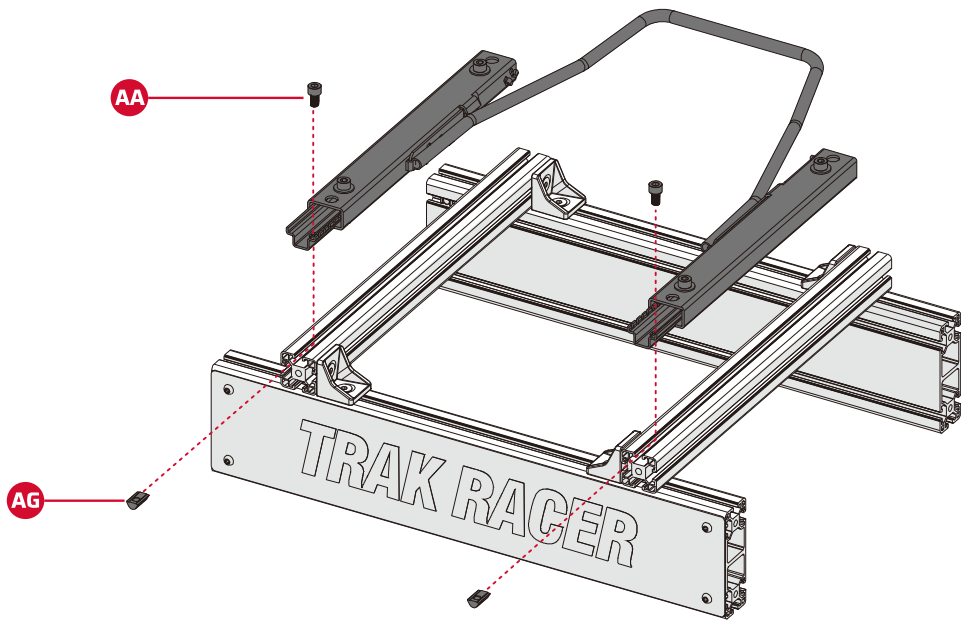
Fit tabs into holes of one side of the lever then squeeze lever and repeat for opposite side.



04

SUPPLIED

AG X2	AA X2
NS-M8	SH-M8-14



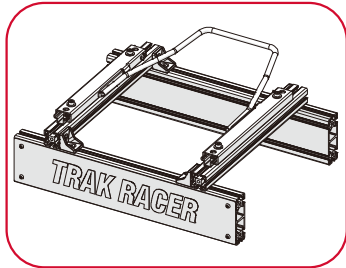
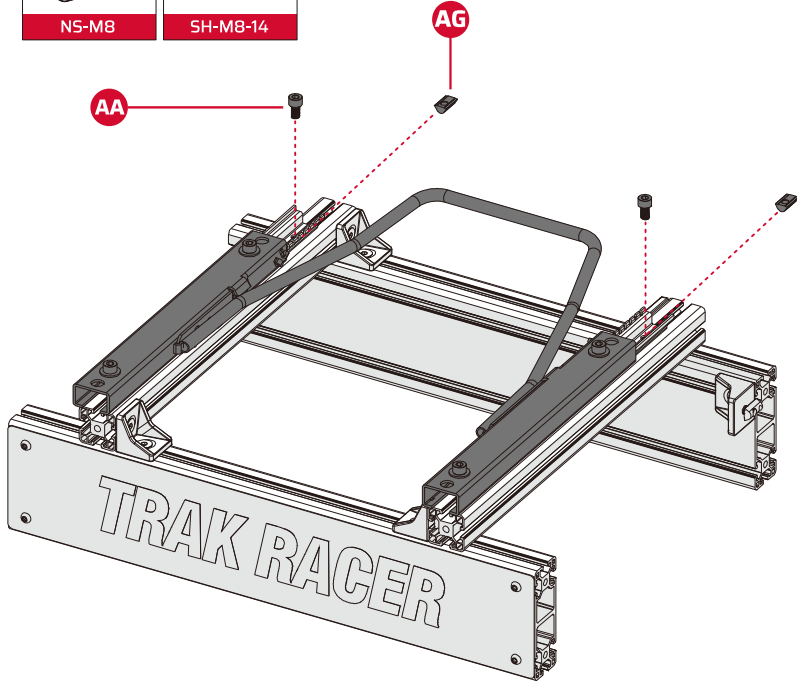
ASSEMBLY INSTRUCTIONS

TR120S

05

SUPPLIED

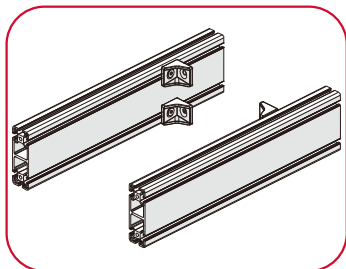
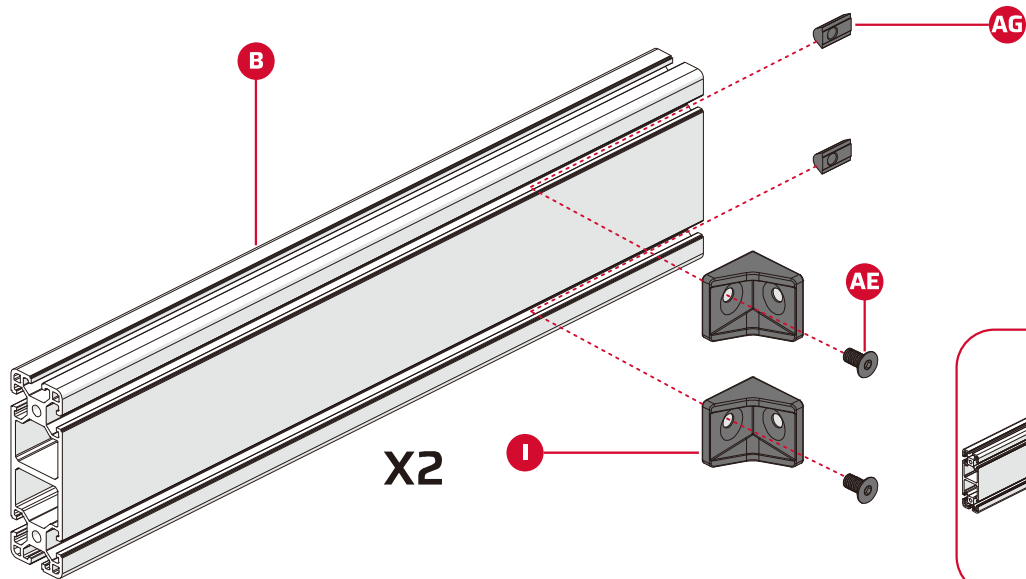
AG X2	AA X2
NS-M8	SH-M8-14



06

SUPPLIED

B X2	I X4	AE X4	AG X4
AP-40120-500	CB-40	SF-M8-16	NS-M8

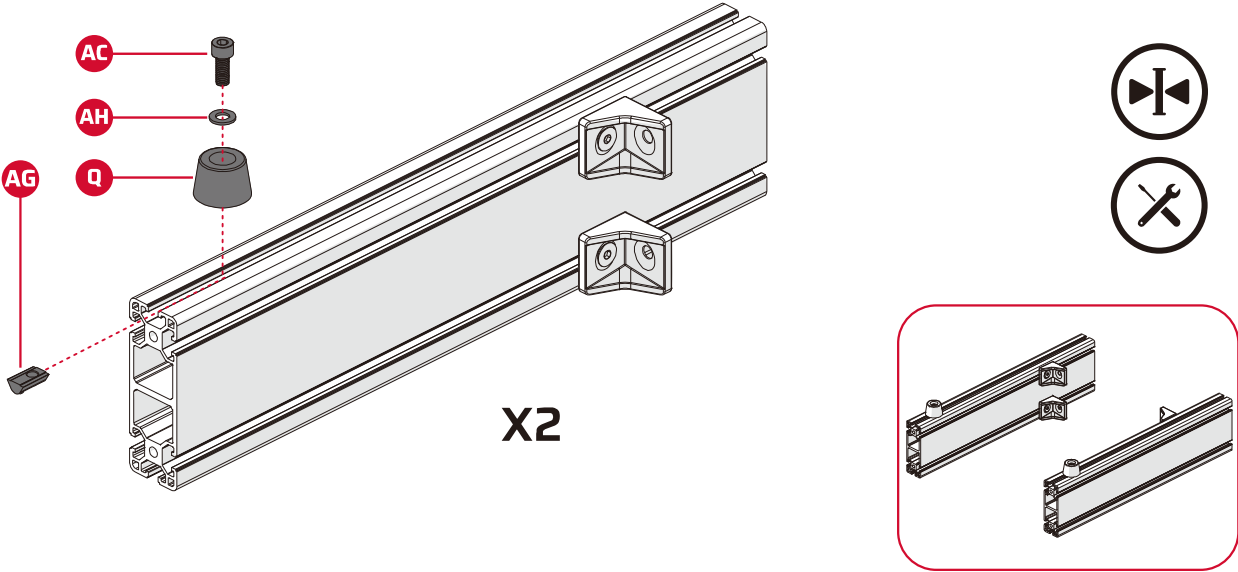


ASSEMBLY INSTRUCTIONS

TR120S

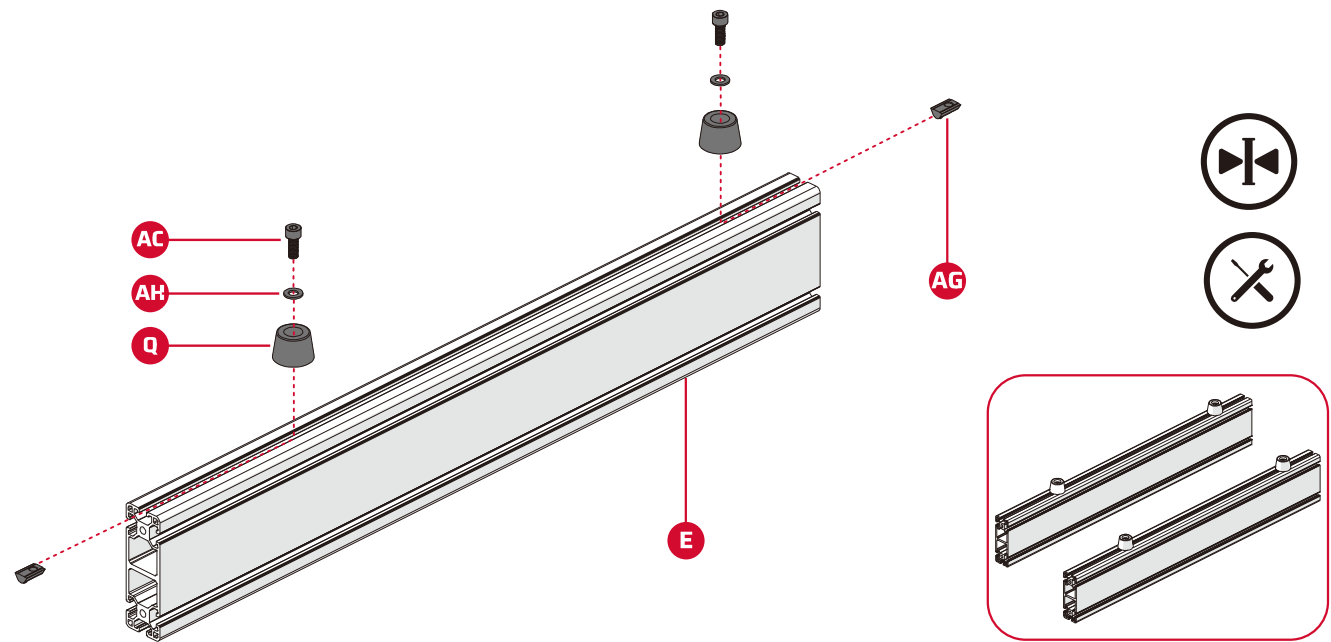
07

SUPPLIED			
Q X2	AGX4	AC X4	AH X4
FR-01	NS-M8	SH-M8-20	WF-M8-16



08

SUPPLIED				
E X2	Q X2	AGX4	AC X4	AH X4
AP-40120-780-B	FR-01	NS-M8	SH-M8-20	WF-M8-16

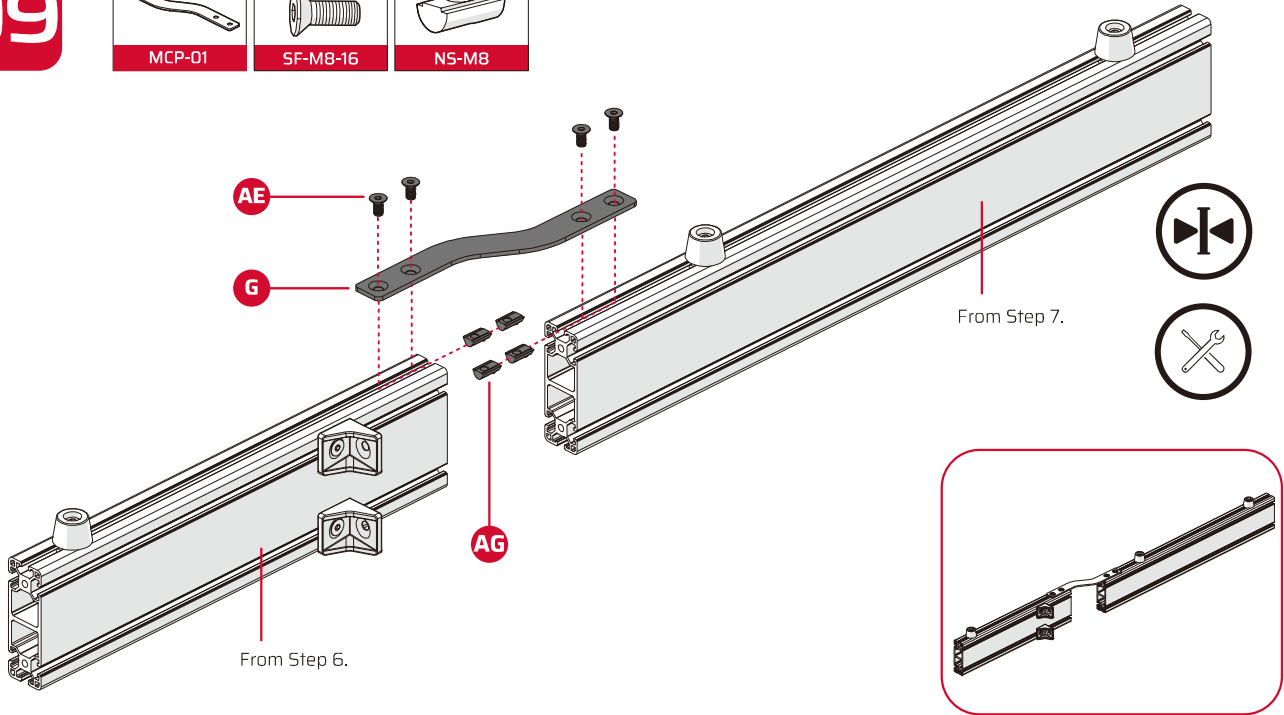


ASSEMBLY INSTRUCTIONS

TR120S

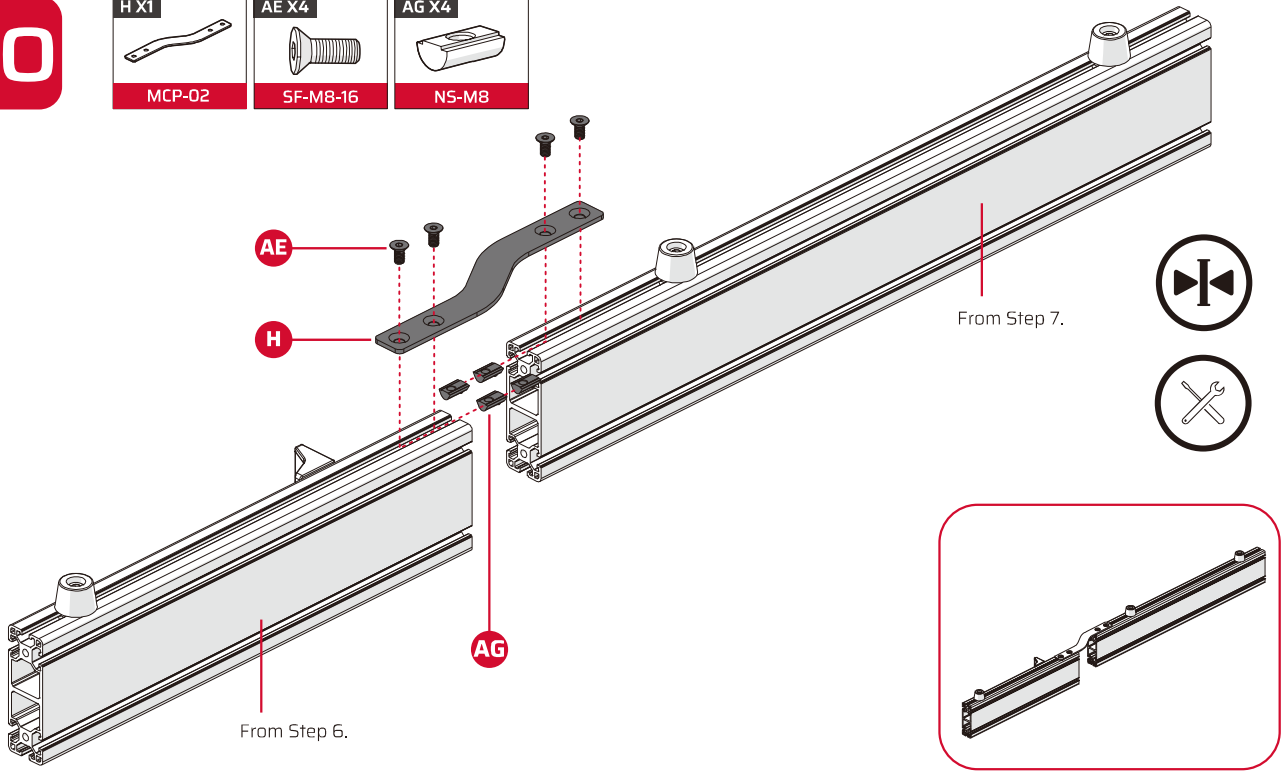
09

SUPPLIED		
G X1	AE X4	AG X4
MCP-01	SF-M8-16	NS-M8



10

SUPPLIED		
H X1	AE X4	AG X4
MCP-02	SF-M8-16	NS-M8

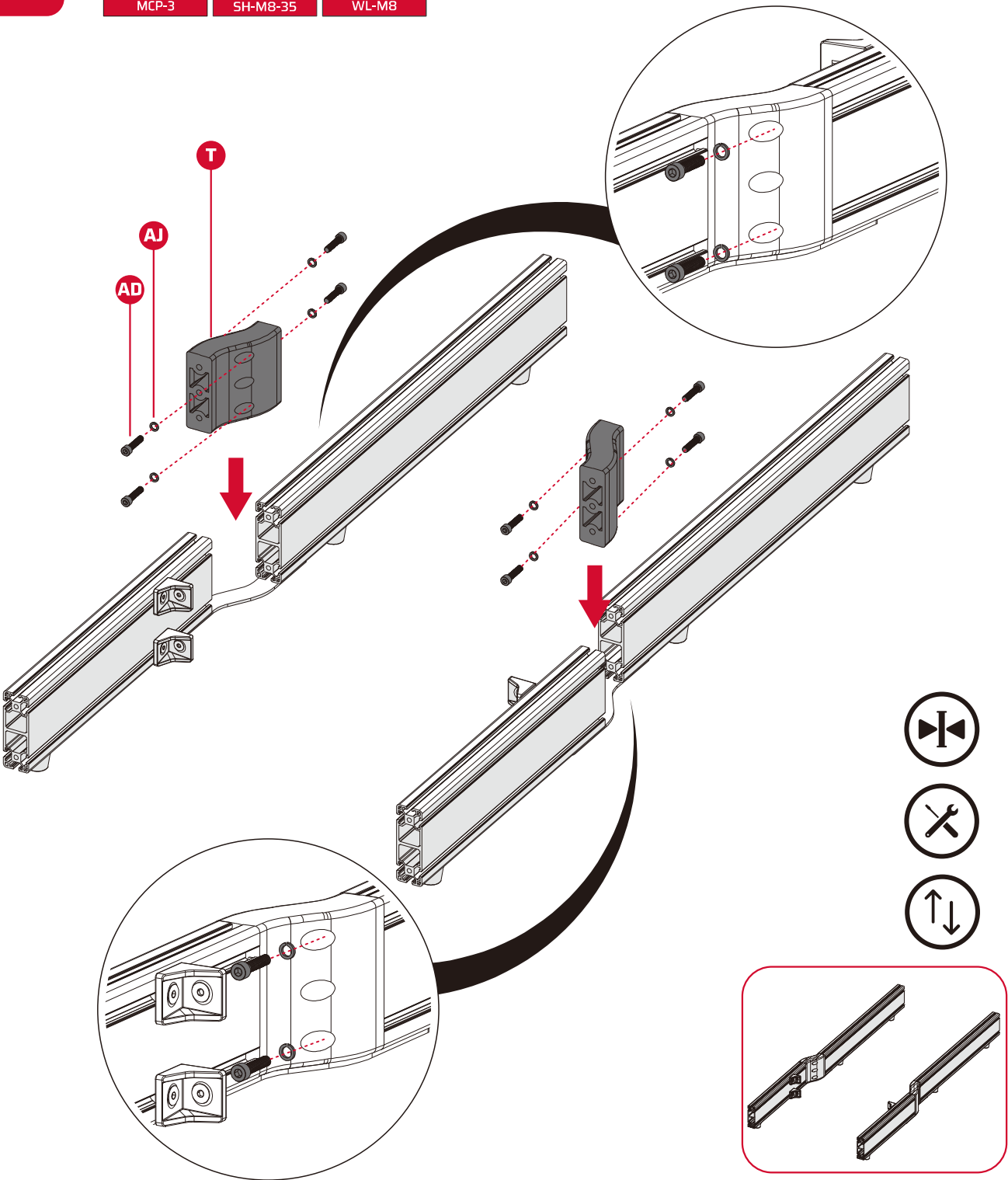


ASSEMBLY INSTRUCTIONS

TR120S

11

SUPPLIED		
T X2	AD X8	AJ X8
		
MCP-3	SH-M8-35	WL-M8

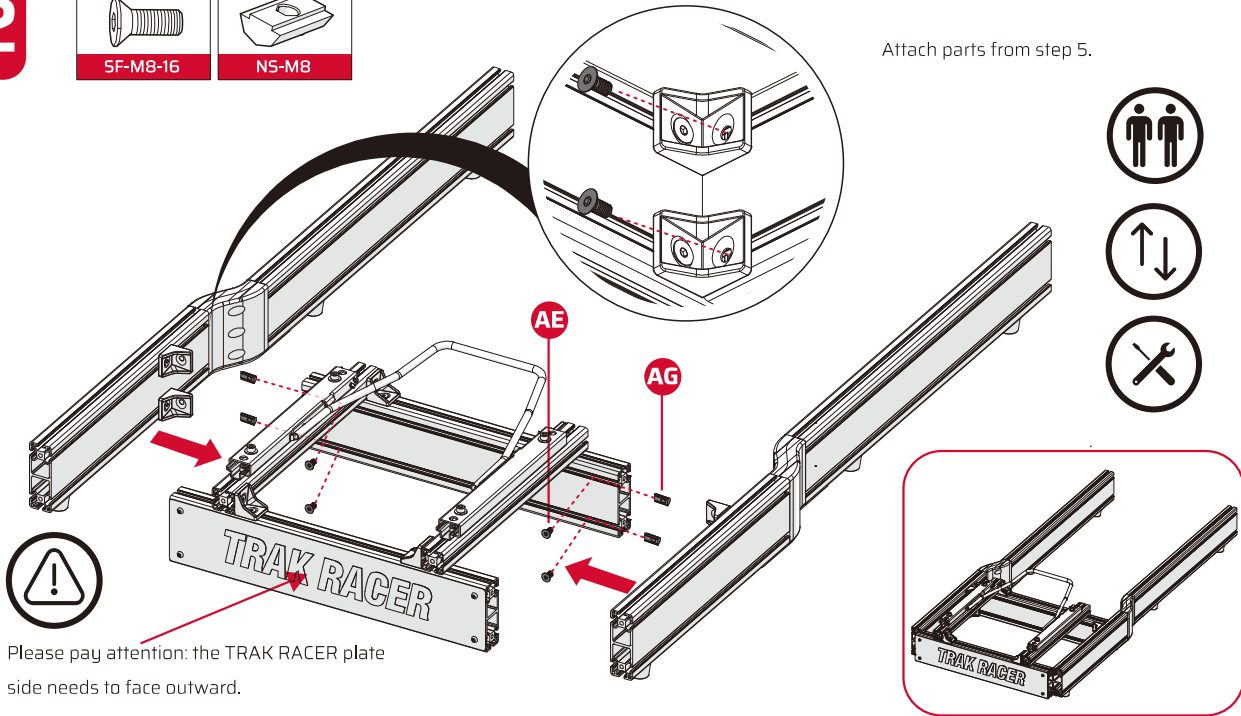


ASSEMBLY INSTRUCTIONS

TR120S

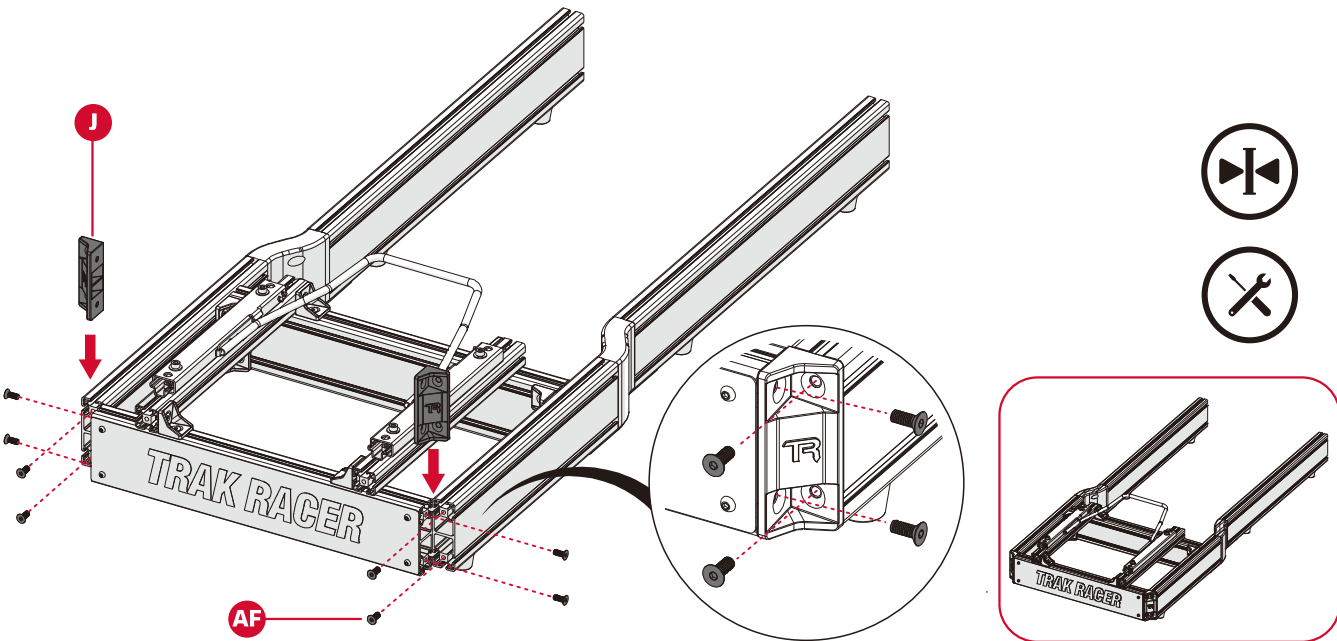
12

SUPPLIED	
AE X4	AG X4
	
SF-M8-16	NS-M8



13

SUPPLIED	
J X2	AF X8
	
CB-120	SF-M8-20

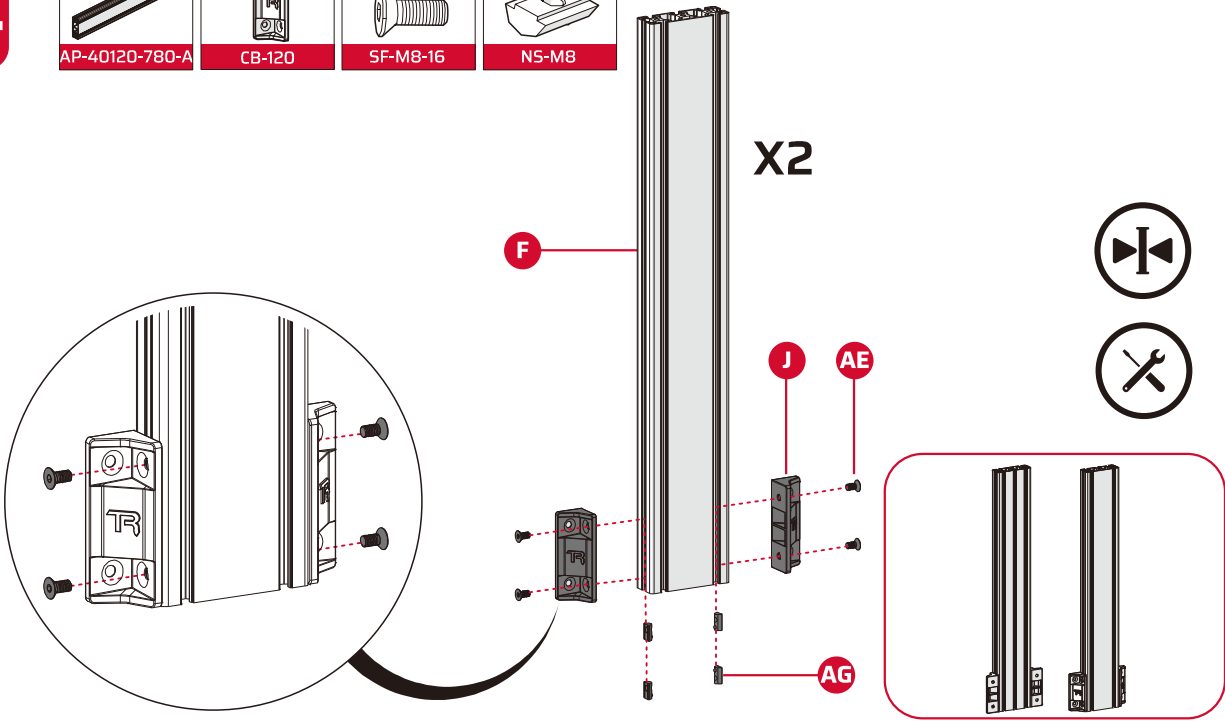


ASSEMBLY INSTRUCTIONS

TR120S

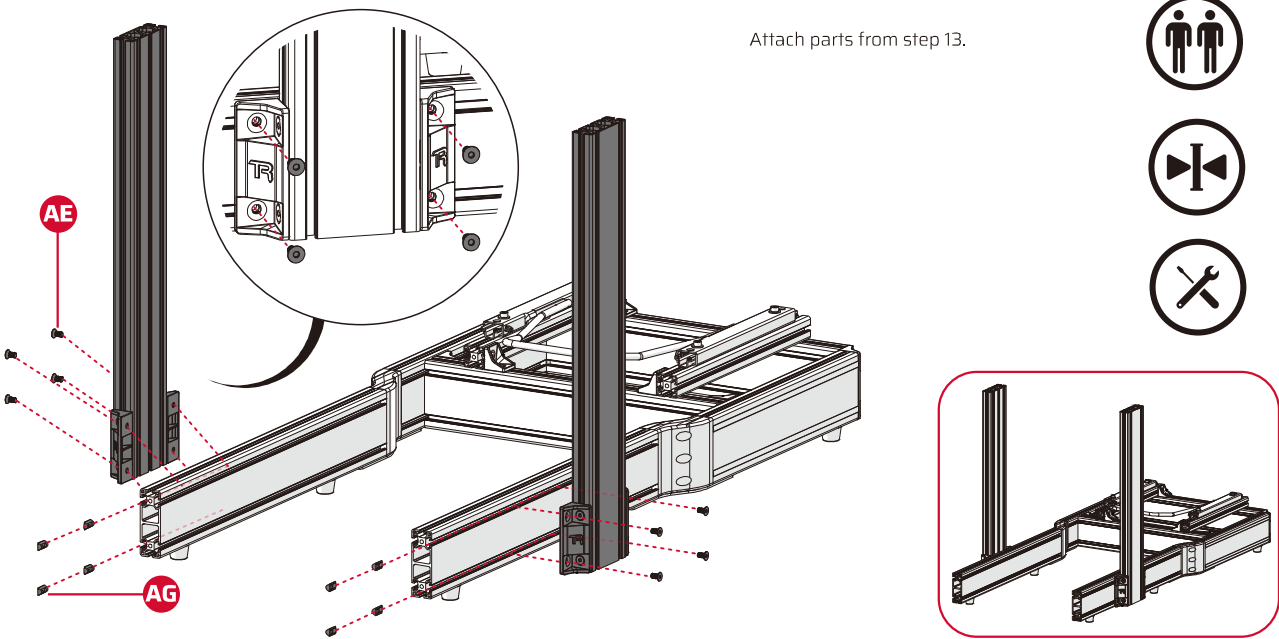
14

SUPPLIED			
F X2	J X4	AE X8	AG X8
AP-40120-780-A	CB-120	SF-M8-16	NS-M8



15

SUPPLIED	
AE X8	AG X8
SF-M8-16	NS-M8

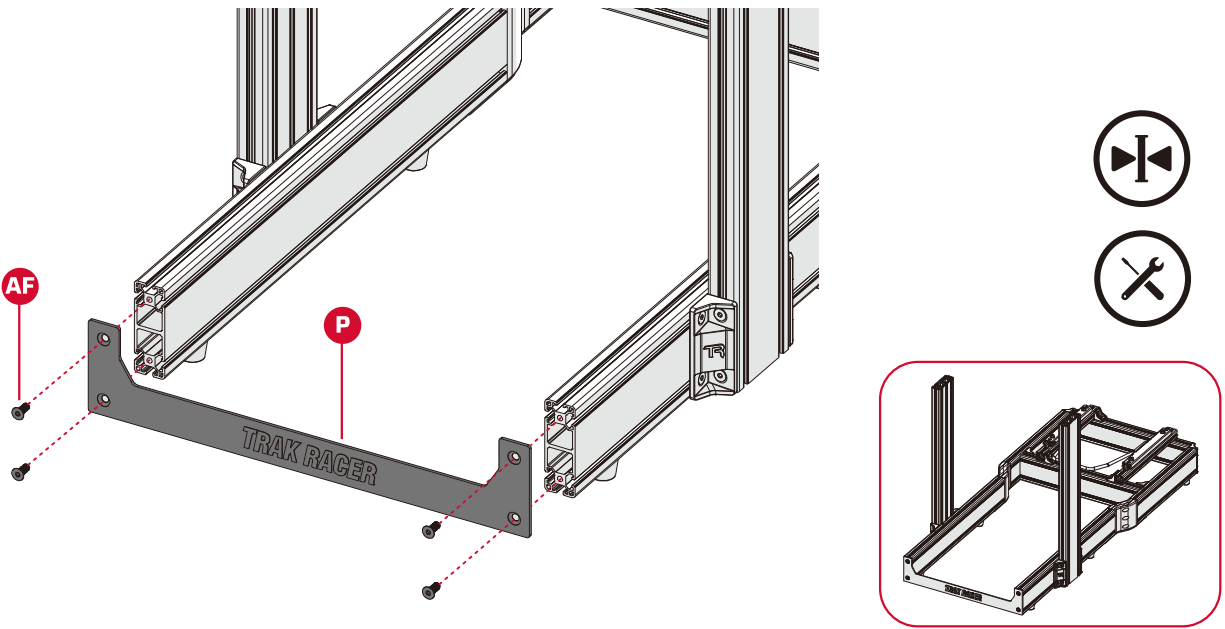


ASSEMBLY INSTRUCTIONS

TR120S

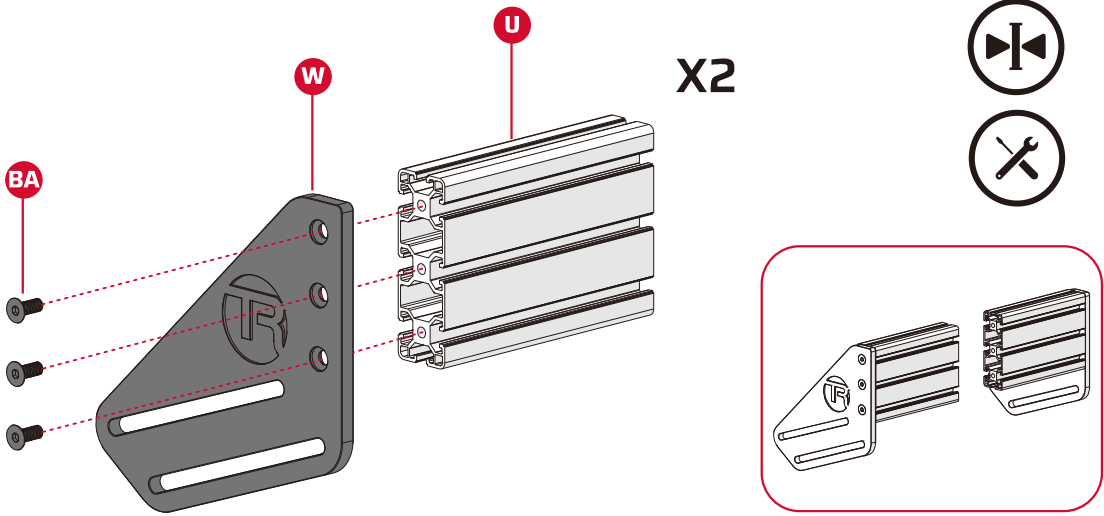
16

SUPPLIED	
P X1	AF X6
FLP	SF-M8-20



17

SUPPLIED	PREINSTALLED	
U X2	W X2	BA X6
TR-40120-180	PIQ	SF-M8-20

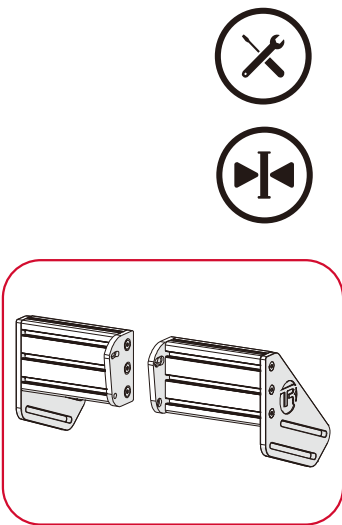
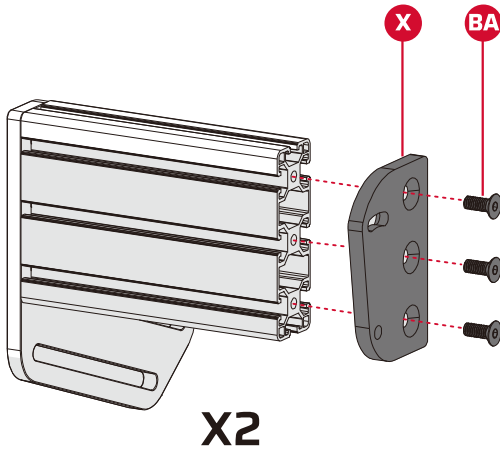


ASSEMBLY INSTRUCTIONS

TR120S

18

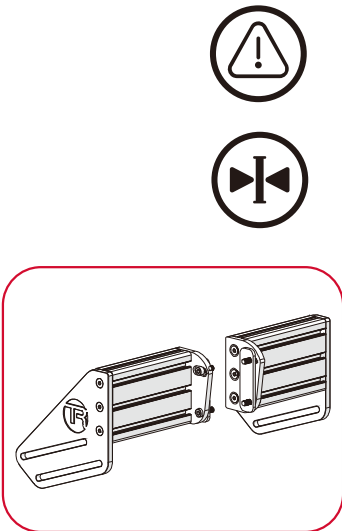
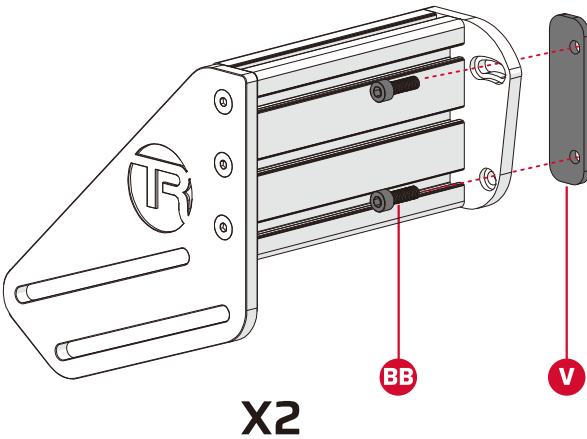
SUPPLIED	PREINSTALLED
X X1 PMM	BA X6 SF-M8-20



19

SUPPLIED	PREINSTALLED
V X2 PM	BB X4 SH-M8-25

NOTE:
Thread screws just enough to hold PM in place
so screws do not protrude past PM plate.

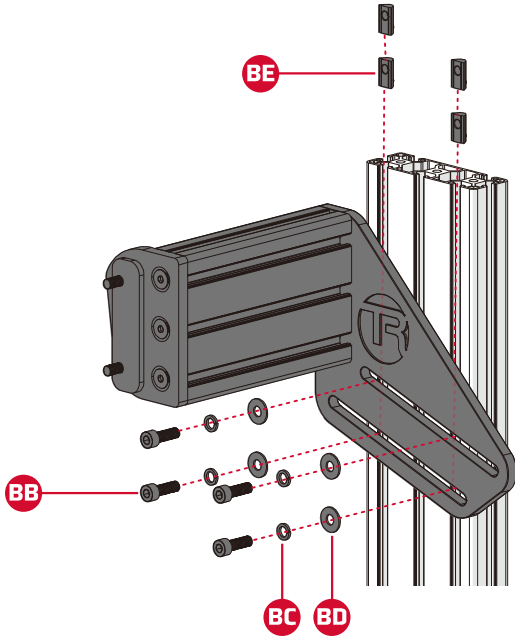


ASSEMBLY INSTRUCTIONS

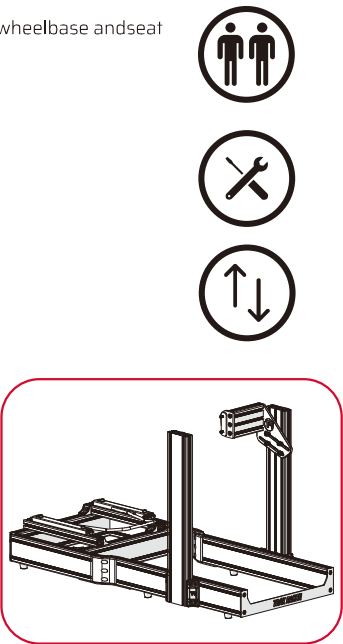
TR120S

20

PREINSTALLED	PREINSTALLED	PREINSTALLED	PREINSTALLED
BC X4 WL-M8	BD X4 WF-M8-20	BB X4 SH-M8-25	BE X4 NS-M8

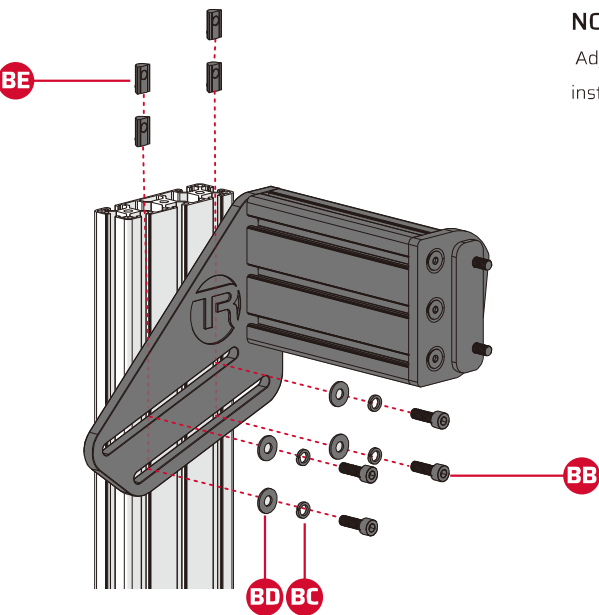


NOTE:
Adjust position after wheelbase and seat
installation.

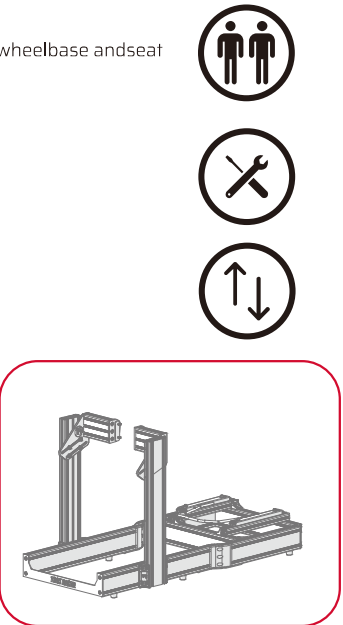


21

PREINSTALLED	PREINSTALLED	PREINSTALLED	PREINSTALLED
BC X4 WL-M8	BD X4 WF-M8-20	BB X4 SH-M8-25	BE X4 NS-M8



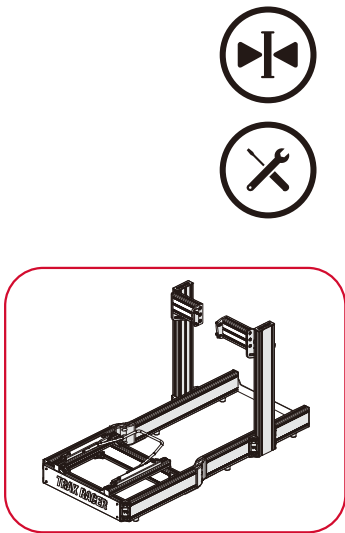
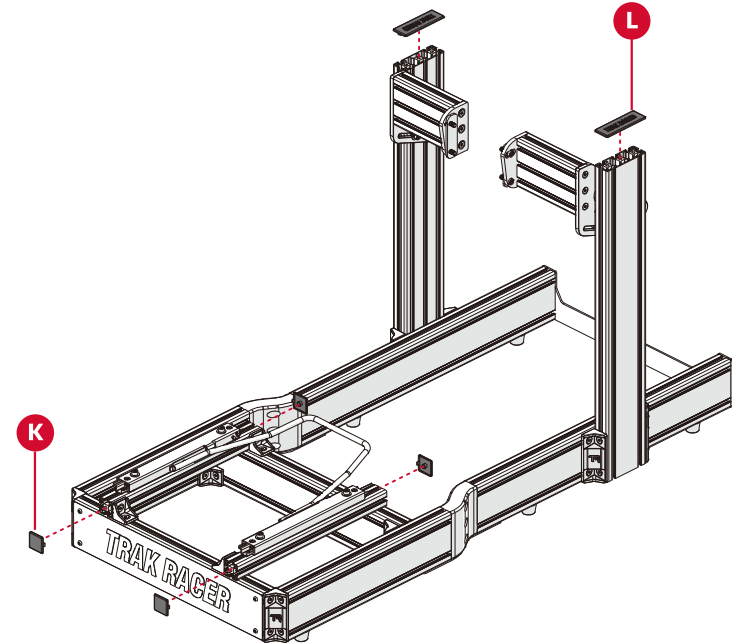
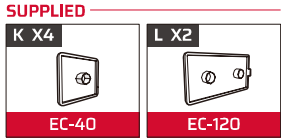
NOTE:
Adjust position after wheelbase and seat
installation.



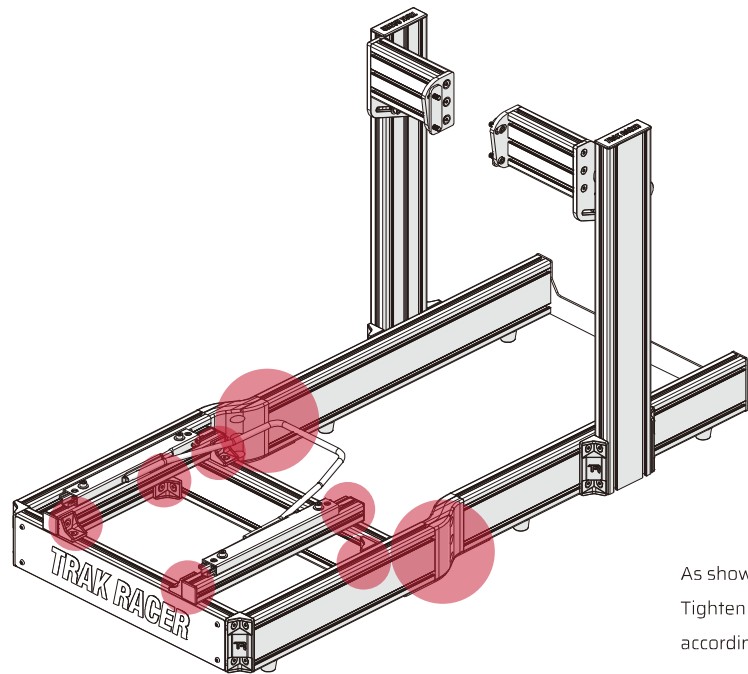
ASSEMBLY INSTRUCTIONS

TR120S

22



23



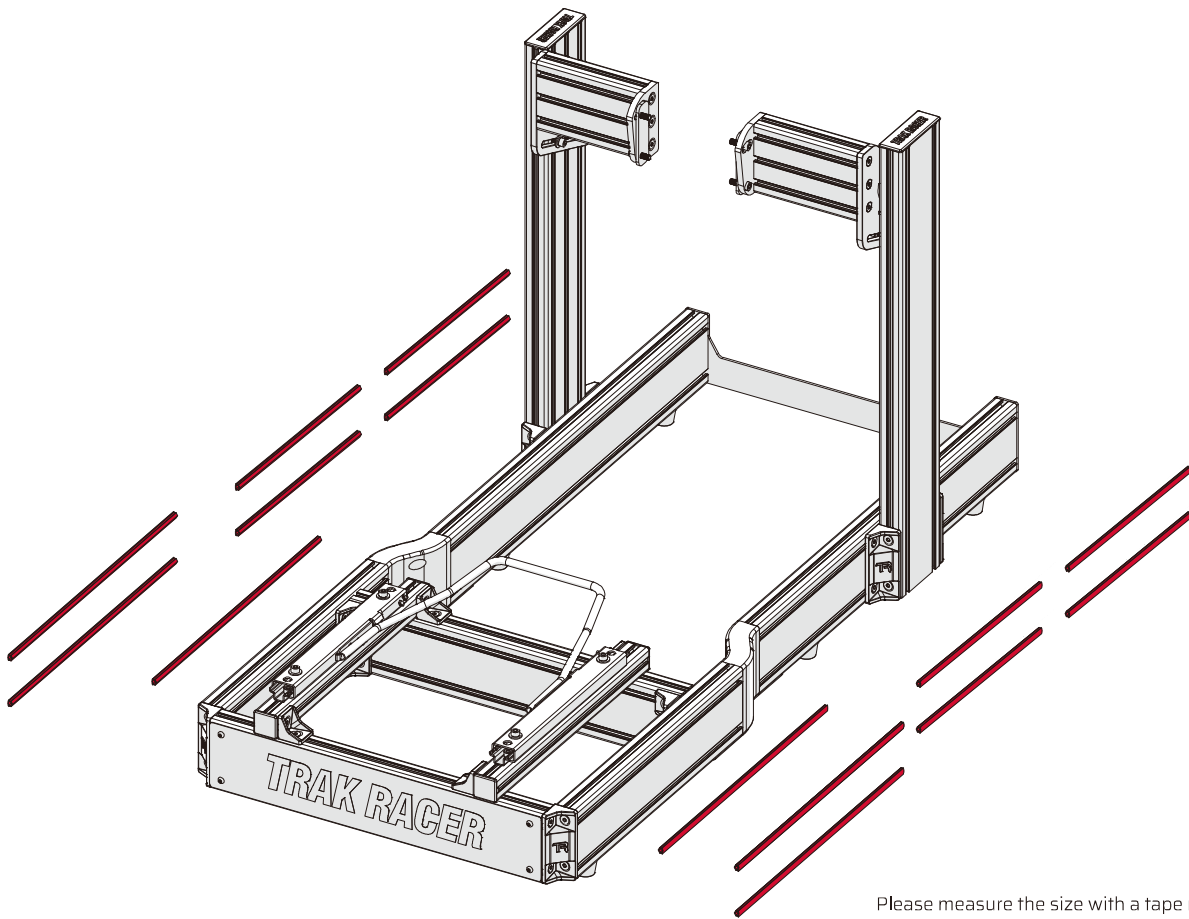
As shown in the figure,
Tighten the pre-tightening bolts in sequence
according to steps 01 to 22.



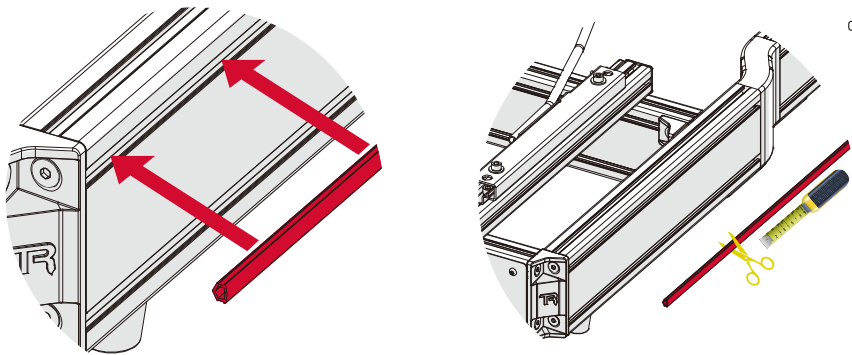
ASSEMBLY INSTRUCTIONS

TR120S

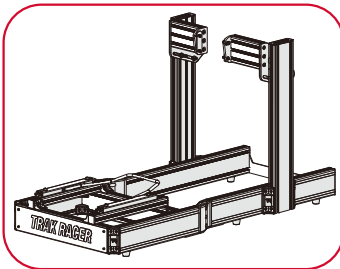
24



Please measure the size with a tape measure,
then cut it out with scissors and insert it into the
corresponding position.



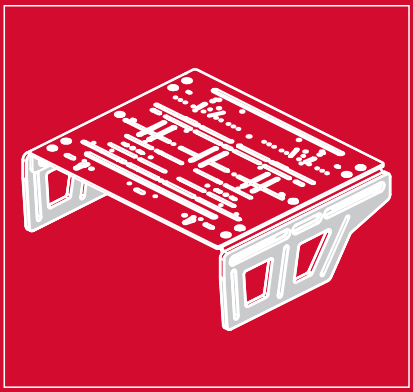
FINISHED PRODUCT



PEDAL OPTIONS

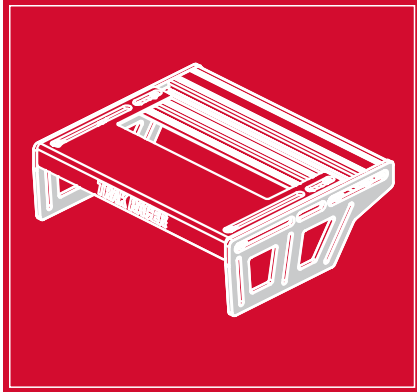
Please skip to the pages corresponding to the wheelbase mounting method you have chosen for your TR1605 rig.

OPTION 1



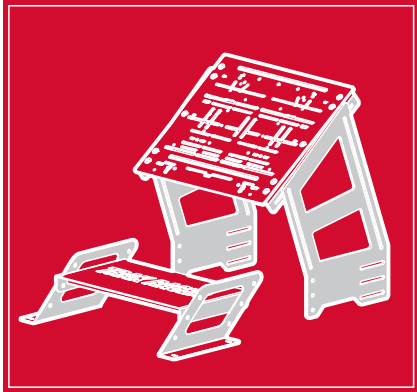
BRAKE PEDAL
TR80-PBPL2

OPTION 2

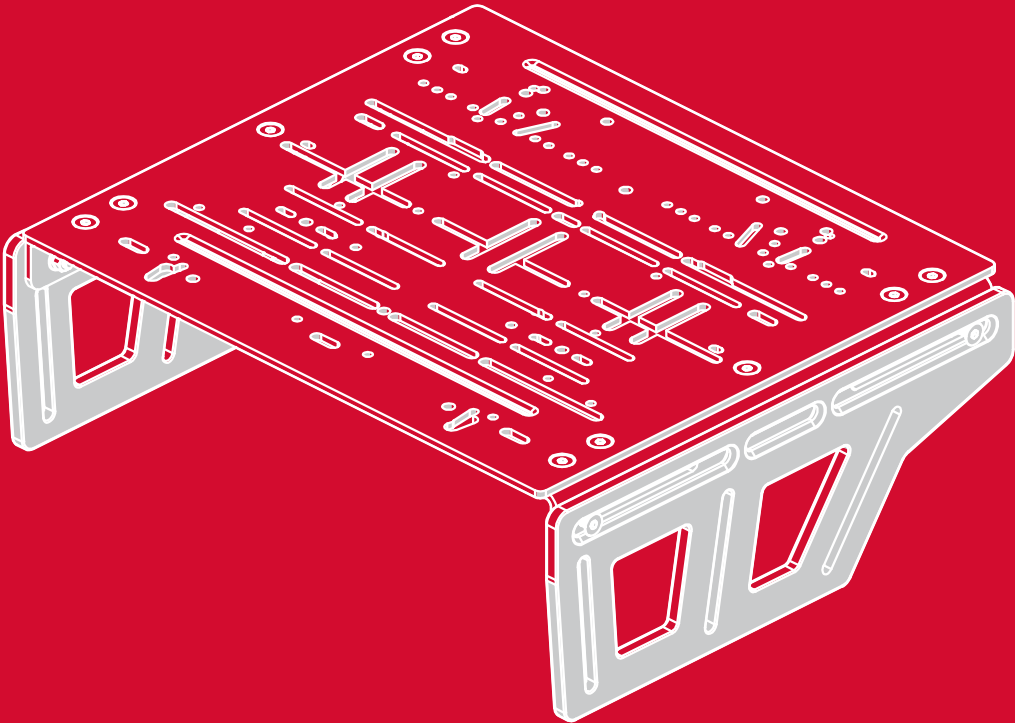


BRAKE PEDAL
TR80-PBAL2

OPTION 3



BRAKE PEDAL
TR80-HYPL2



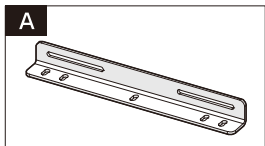
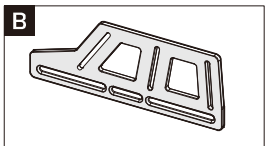
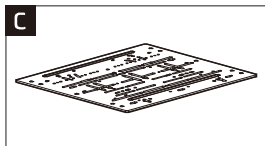
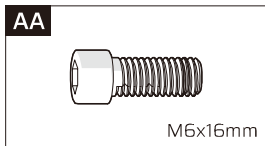
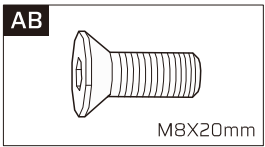
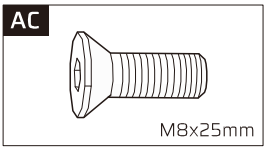
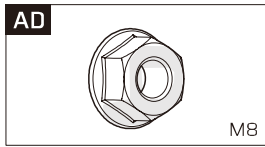
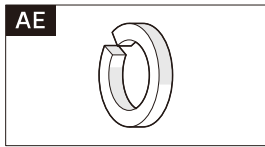
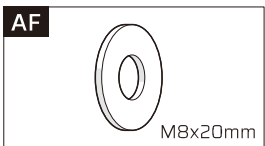
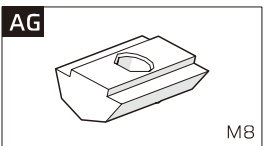
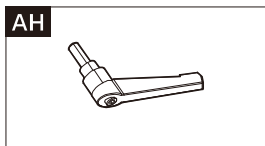
BRAKE PEDAL

Assembly Guide

TR80-PBPL2

TR80-PBPL2 PART LIST

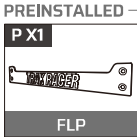
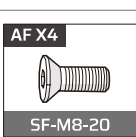
ACCESSORIES (NOTE: Extra hardware may be included as spare parts)

A  Pedal Plate Connector TR80-PPC X2	B  Pedal Plate Side Mount TR80-PPSM X2	C  Pedal Plate TR80-PP X1	AA  Hex Screw SH-M6-16 X4
AB  Screw (Flat) SF-M8-20 X18	AC  Screw (Flat) SF-M8-25 X8	AD  Flange Nut NF-M8 X18	AE  Lock Washer WL-M8 X4
AF  Washer (Flat) WF-M8-20 X4	AG  Ball Bearing Nut NS-M8 X4	AH  Offset Hex Key OHK-M8-25 X4	NOTE: Use screws and washers included in the TR120S assembly.

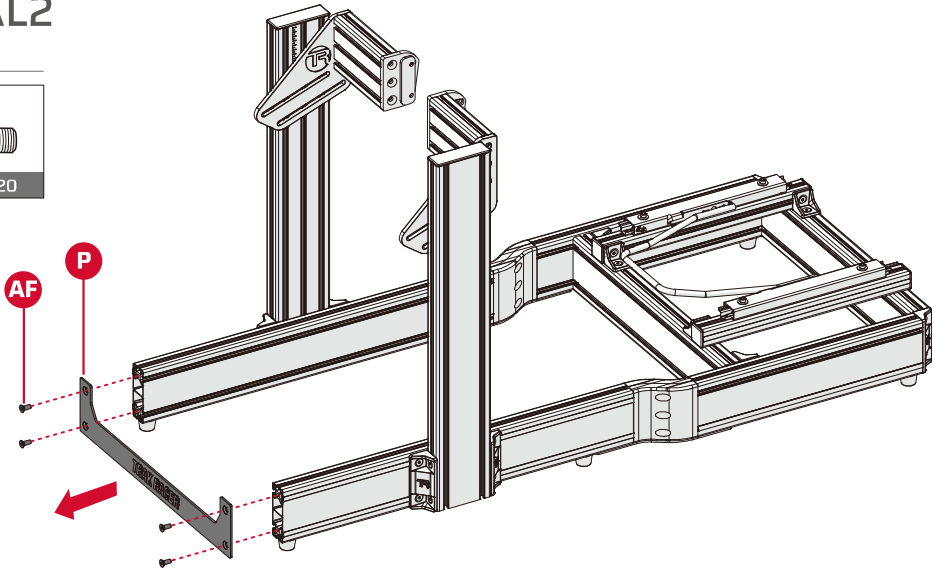
ASSEMBLY INSTRUCTIONS

TR120S--TR80-PBAL2

01

PREINSTALLED P X1  FLP	AF X4  SF-M8-20
--	---

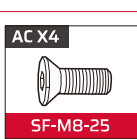
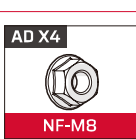
NOTE:
This step can also be changed
to start after Step 16 on page 15.



ASSEMBLY INSTRUCTIONS

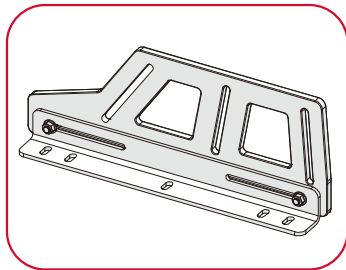
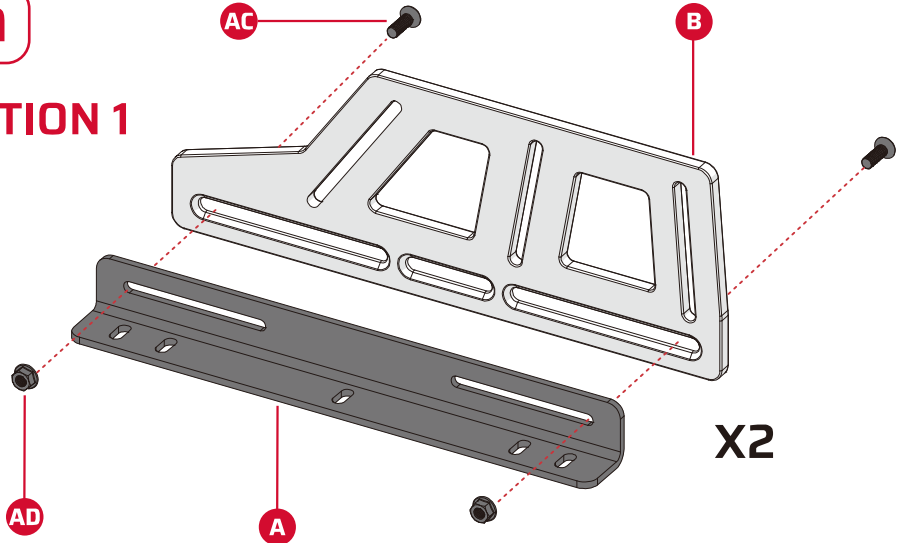
TR120S--TR80-PBPL2

02

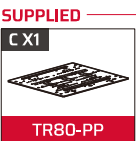
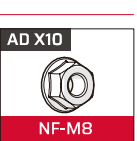
SUPPLIED A X2  TR80-PPC	B X2  TR80-PPSM	AC X4  SF-M8-25	AD X4  NF-M8
---	---	---	--

a

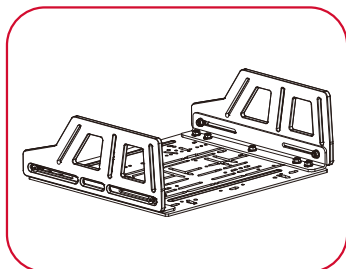
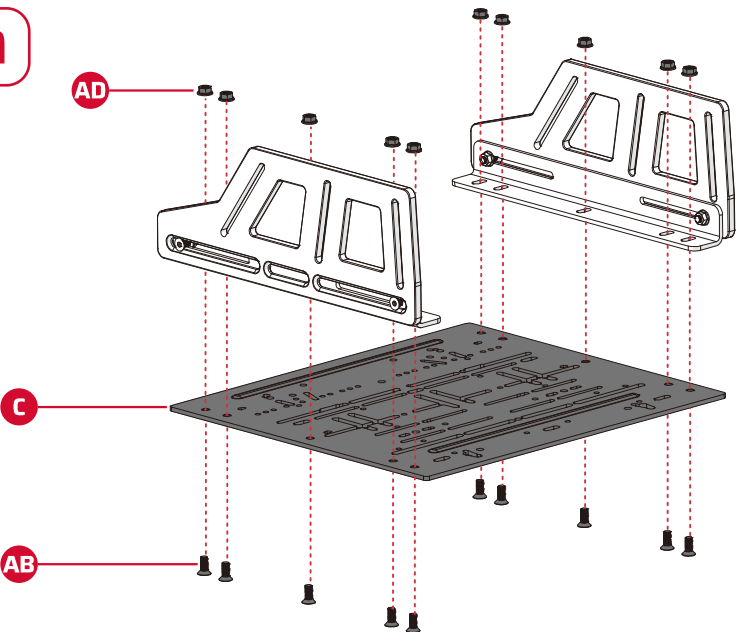
OPTION 1



03

SUPPLIED C X1  TR80-PP	AB X10  SF-M8-20	AD X10  NF-M8
--	--	---

a



ASSEMBLY INSTRUCTIONS

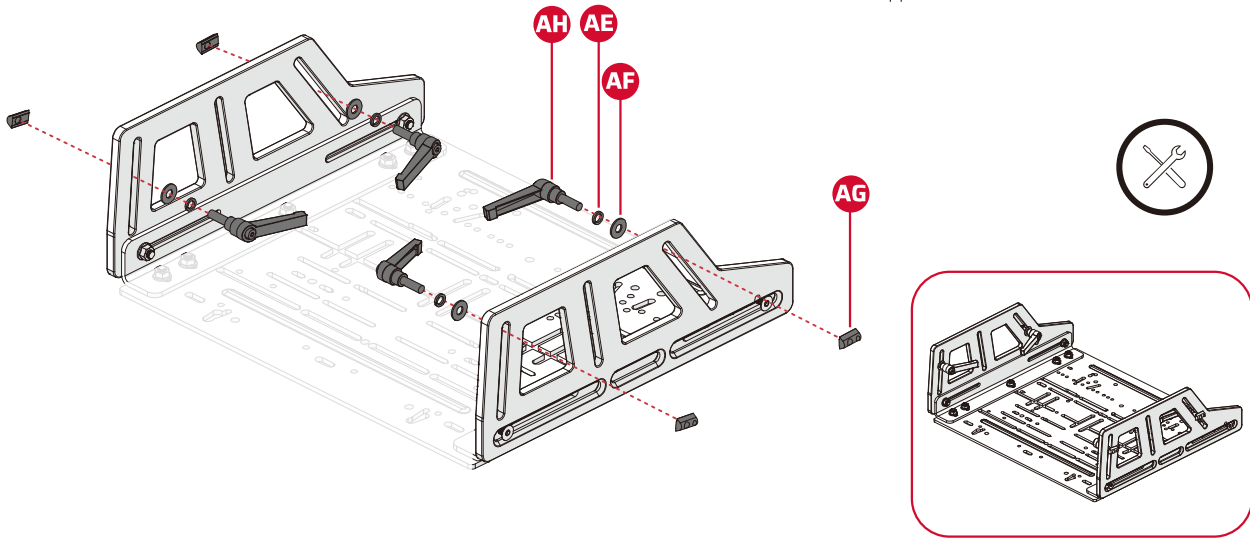
TR120S--TR80-PBPL2

04

SUPPLIED			
AE X4	AF X4	AH X4	AG X4
WL-M8	WF-M8-20	OHK-M8-25	NS-M8

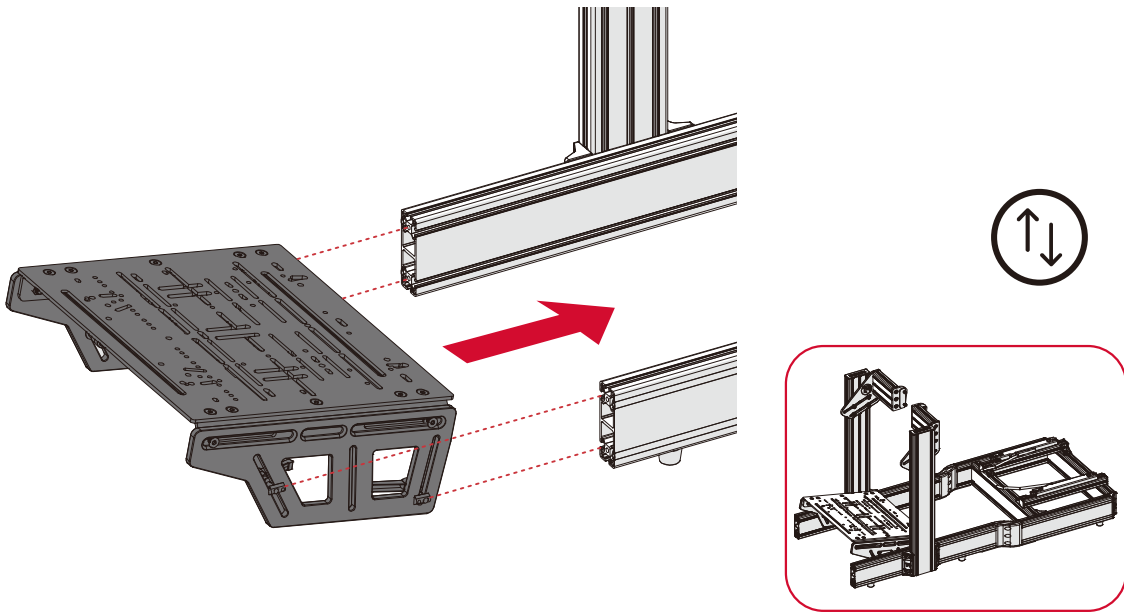
a

NOTE:
Rotate to use upper or lower mount.



05

a



ASSEMBLY INSTRUCTIONS

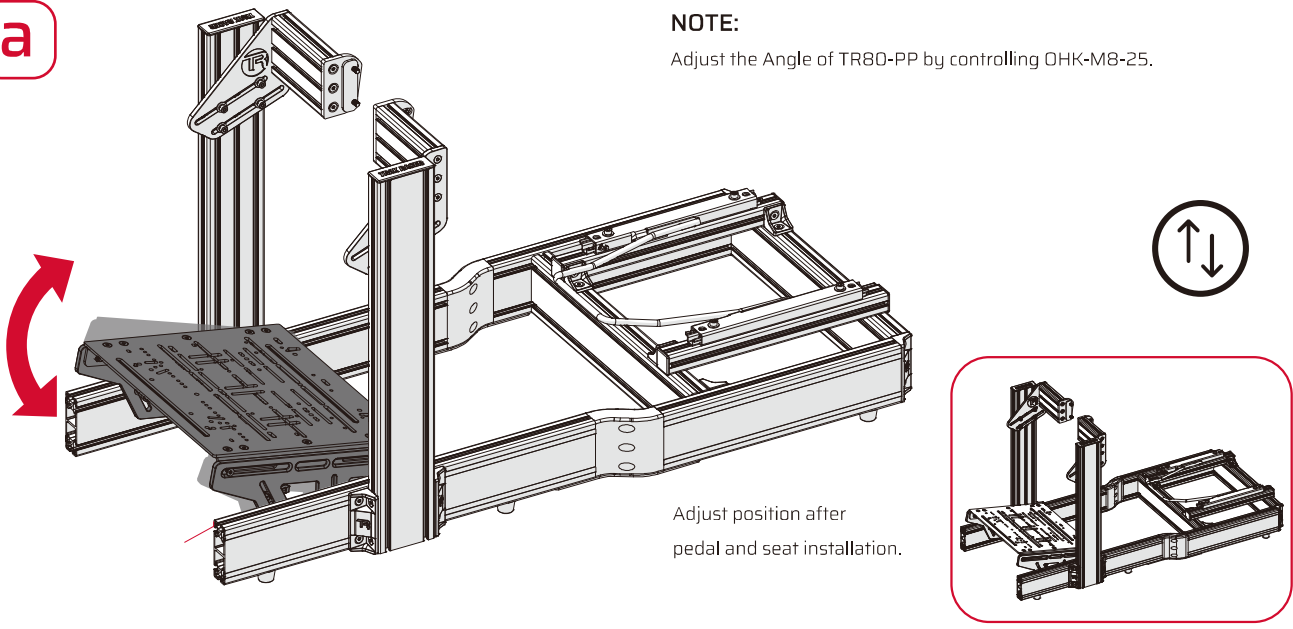
TR120S--TR80-PBPL2

06

SUPPLIED	
C X1	AH X4
TR80-PP	OHK-M8-25

a

NOTE:
Adjust the Angle of TR80-PP by controlling OHK-M8-25.

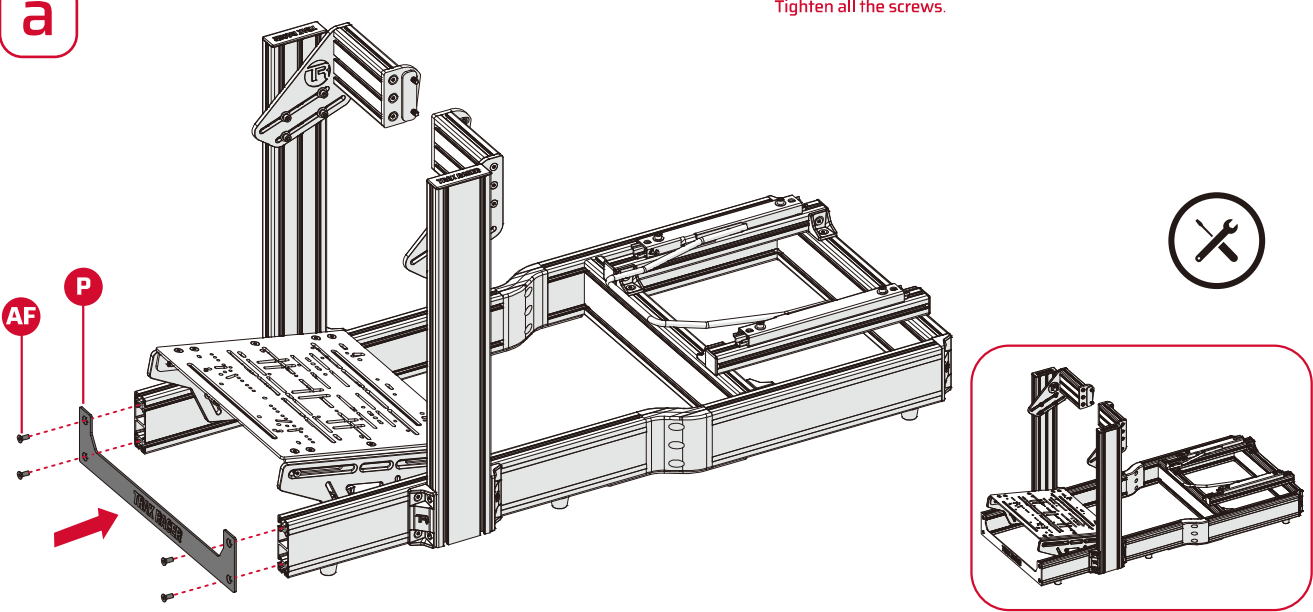


07

a

PREINSTALLED	
P X1	AF X4
FLP	SF-M8-20

Tighten all the screws.



ASSEMBLY INSTRUCTIONS

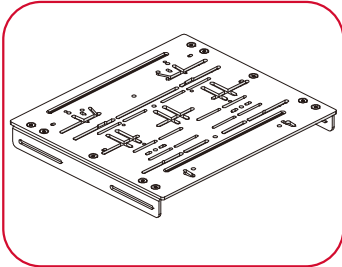
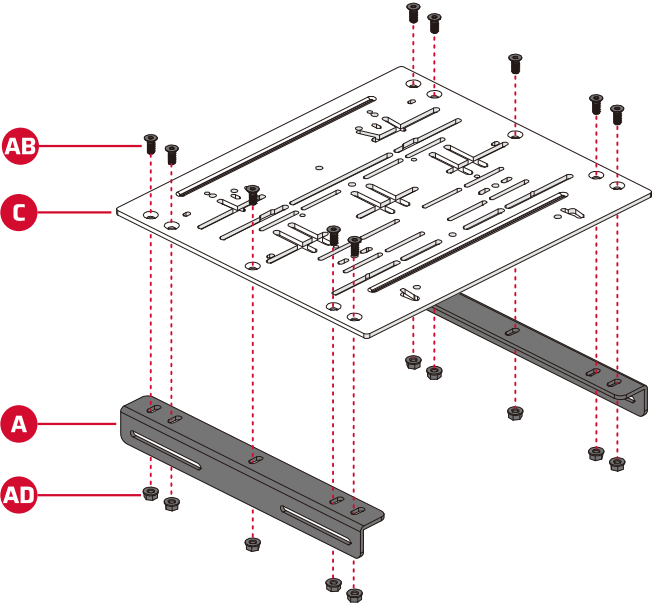
TR120S--TR80-PBPL2

02

SUPPLIED			
A X2	C X1	AB X10	AD X10
			
TR80-PPC	TR80-PP	SF-M8-20	NF-M8

b

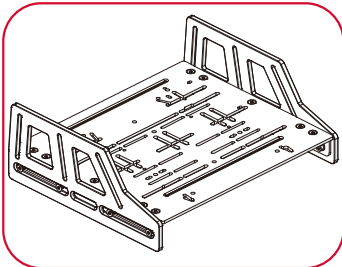
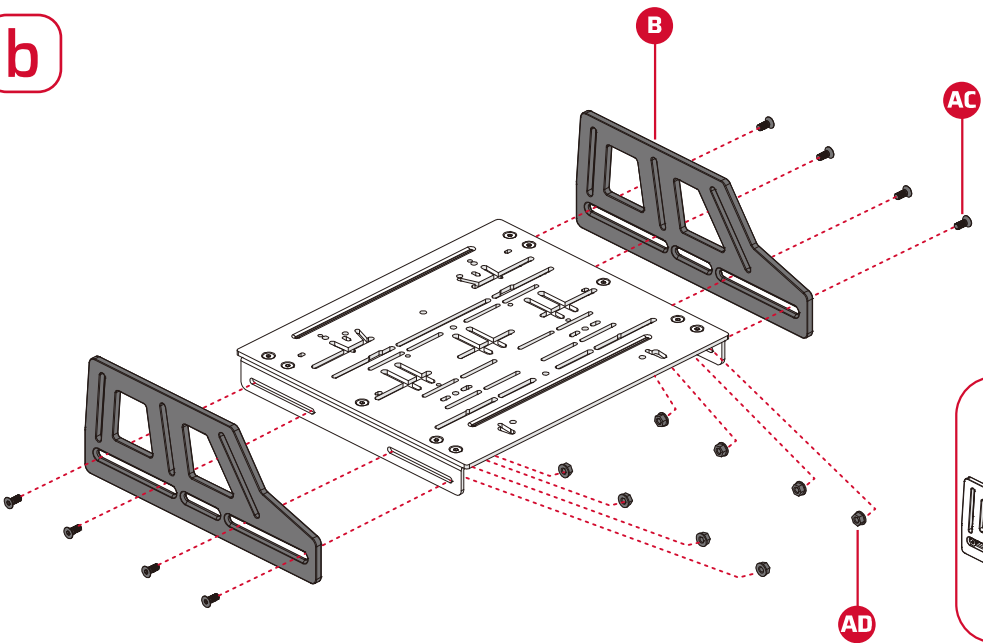
OPTION 2



03

SUPPLIED		
B X2	AC X8	AD X8
		
TR80-PPSM	SF-M8-25	NF-M8

b



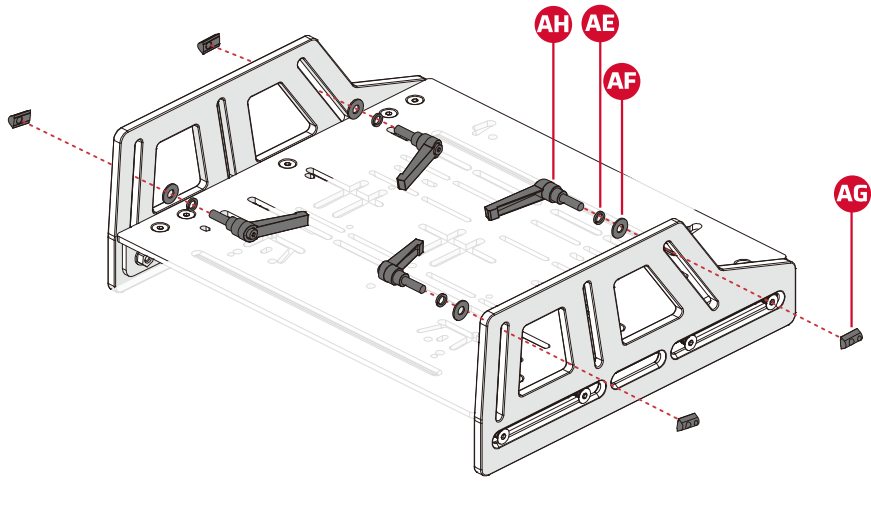
ASSEMBLY INSTRUCTIONS

TR120S--TR80-PBPL2

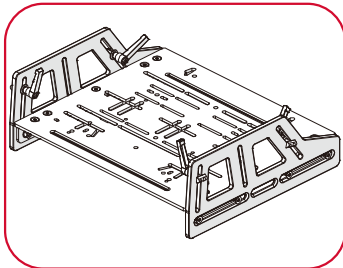
04

SUPPLIED			
AE X4	AF X4	AH X4	AG X4
			
WL-M8	WF-M8-20	OHK-M8-25	NS-M8

b

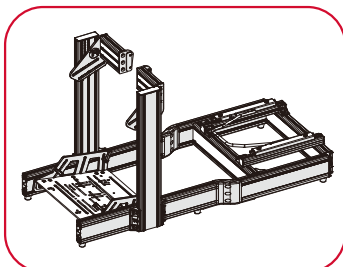
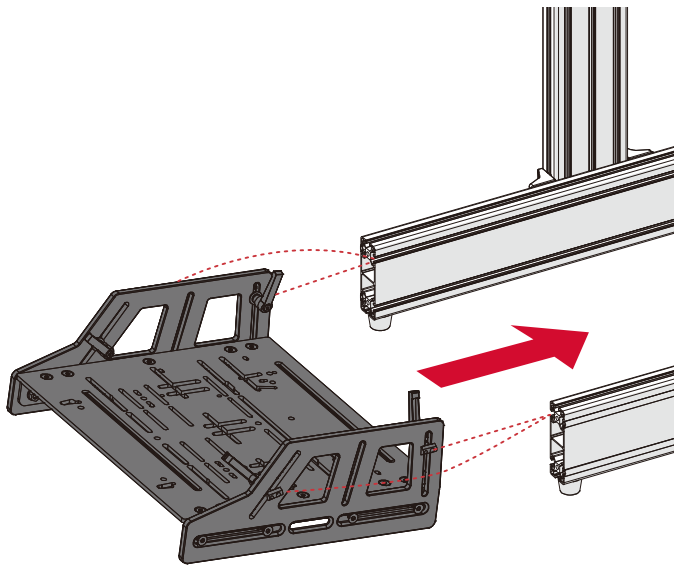


NOTE:
Rotate to use upper or lower mount.



05

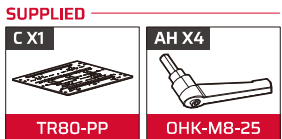
b



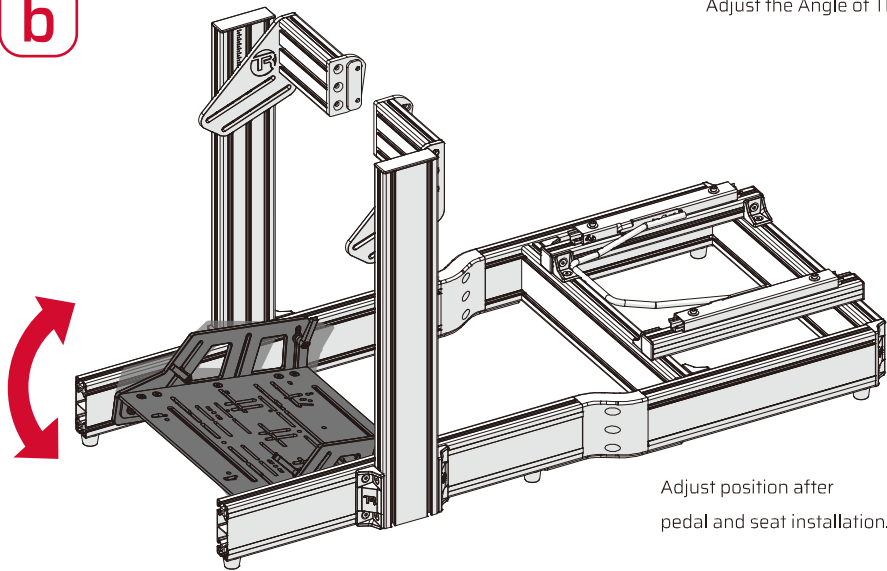
ASSEMBLY INSTRUCTIONS

TR120S--TR80-PBPL2

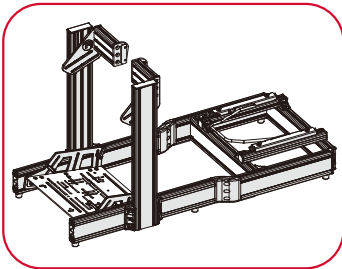
06



b

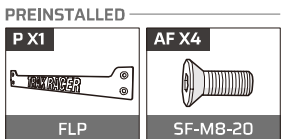


NOTE:
Adjust the Angle of TR80-PP by controlling OHK-M8-25.

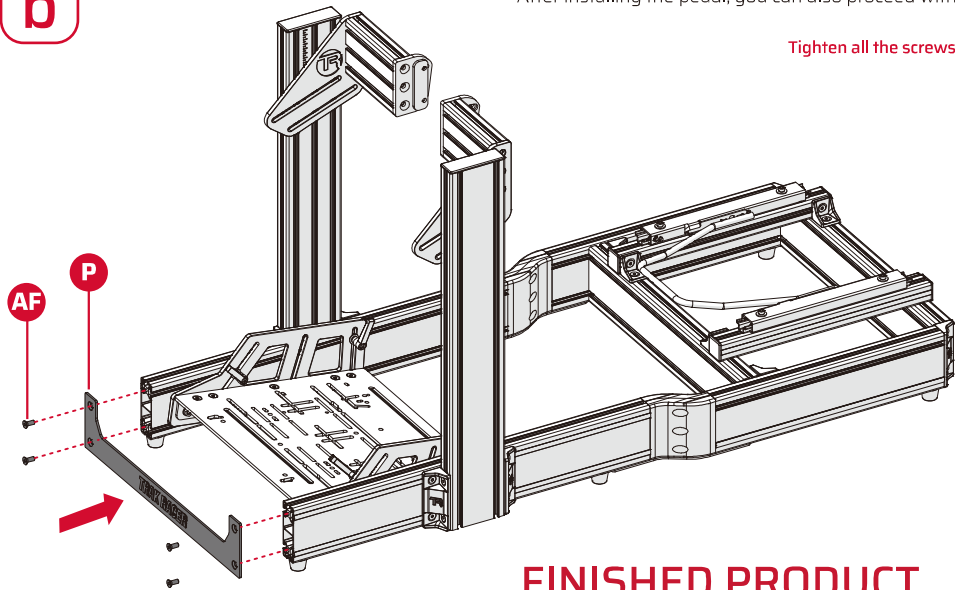


Adjust position after
pedal and seat installation.

07

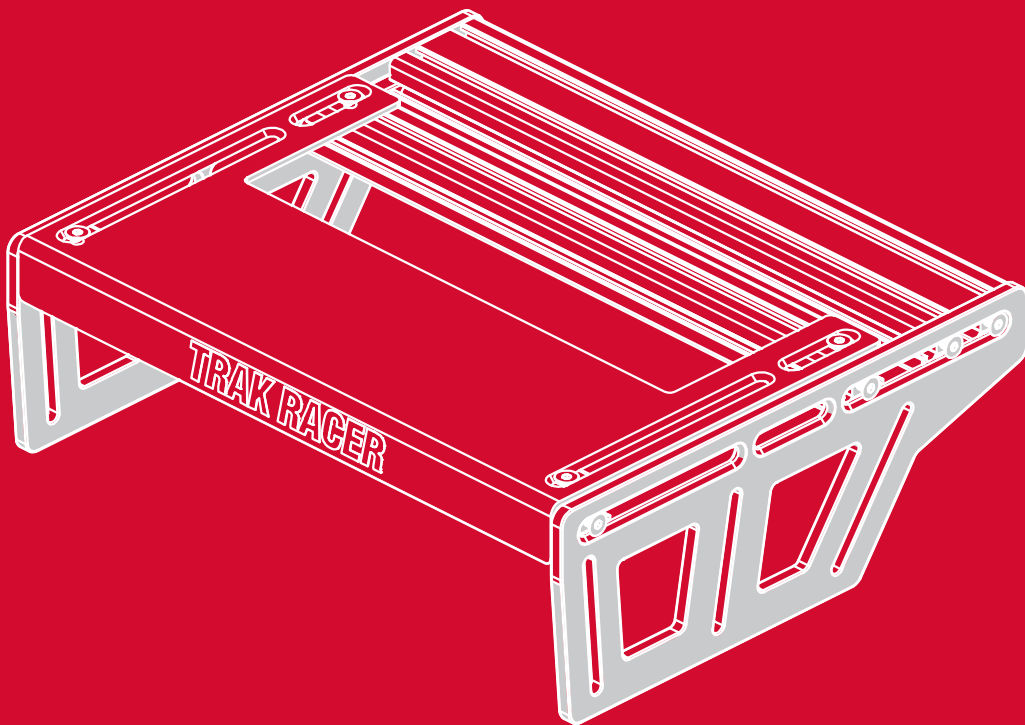
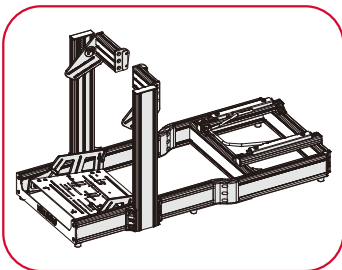


b



FINISHED PRODUCT

NOTE:
After installing the pedal, you can also proceed with the installation from step 17 on page 15.
Tighten all the screws.



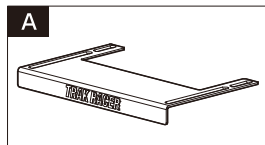
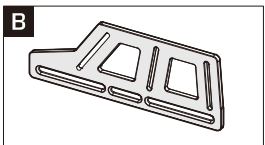
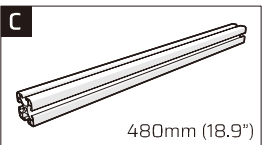
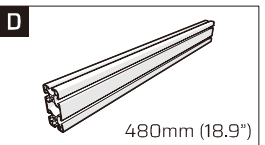
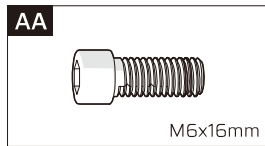
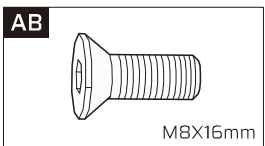
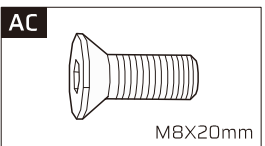
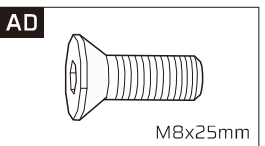
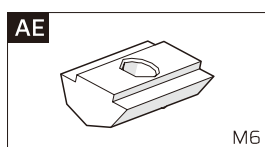
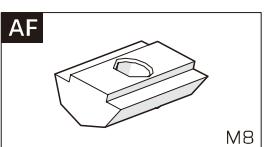
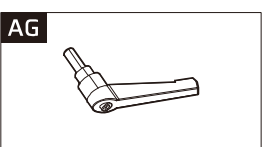
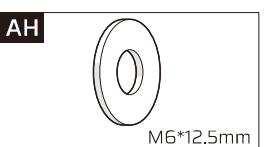
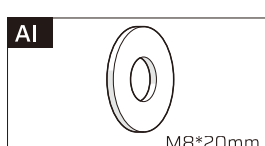
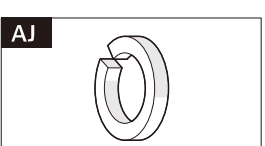
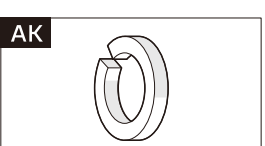
BRAKE PEDAL

Assembly Guide

TR80-PBAL2

TR80-PBAL2 PART LIST

ACCESSORIES (NOTE: Extra hardware may be included as spare parts)

A  Heel Plate TR80-HP-01 X1	B  Pedal Plate Side Mount TR80-PP5M X2	C  480mm (18.9") Aluminum Profile TR-4040-480 X2	D  480mm (18.9") Aluminum Profile TR-8040-480 X1
AA  M6x16mm Hex Screw SH-M6-16 X12	AB  M8x16mm Screw (Flat) SF-M8-16 X8	AC  M8x20mm Screw (Flat) SF-M8-20 X8	AD  M8x25mm Screw (Flat) SF-M8-25 X8
AE  M6 Ball Bearing Nut NS-M6 X12	AF  M8 Ball Bearing Nut NS-M8 X12	AG  Offset Hex Key OHK-M8-25 X4	AH  M6*12.5mm Washer (Flat) WF-M6-12.5 X12
AI  M8*20mm Washer (Flat) WF-M8*20 X12	AJ  Lock Washer WL-M6 X4	AK  Lock Washer WL-M8 X4	

NOTE:
Use screws and washers included in the TR120S assembly.

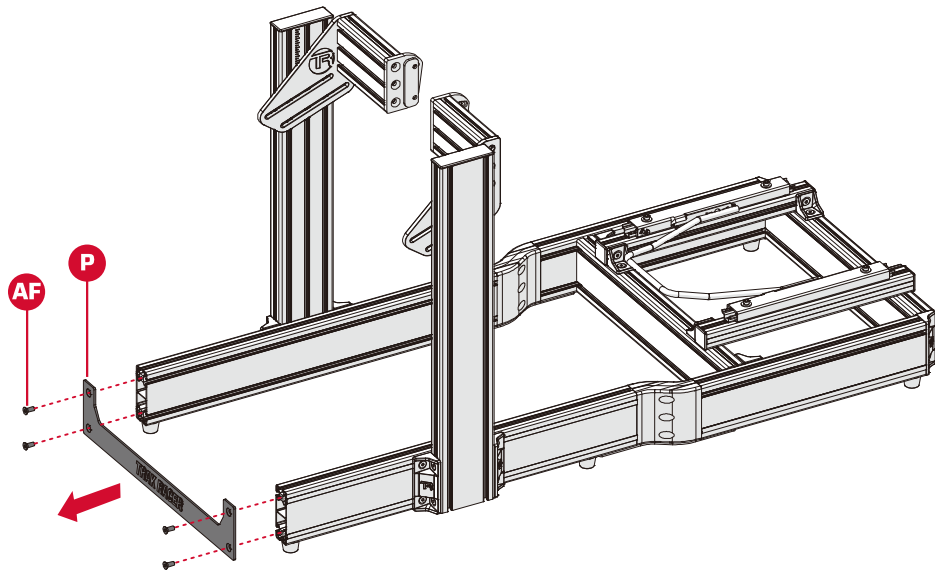
ASSEMBLY INSTRUCTIONS

TR120S--TR80-PBAL2

01

PREINSTALLED	
P X1  FLP	AF X4  SF-M8-20

NOTE:
This step can also be changed to start after Step 16 on page 15.

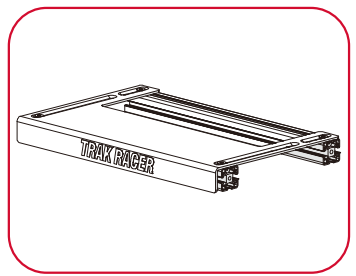
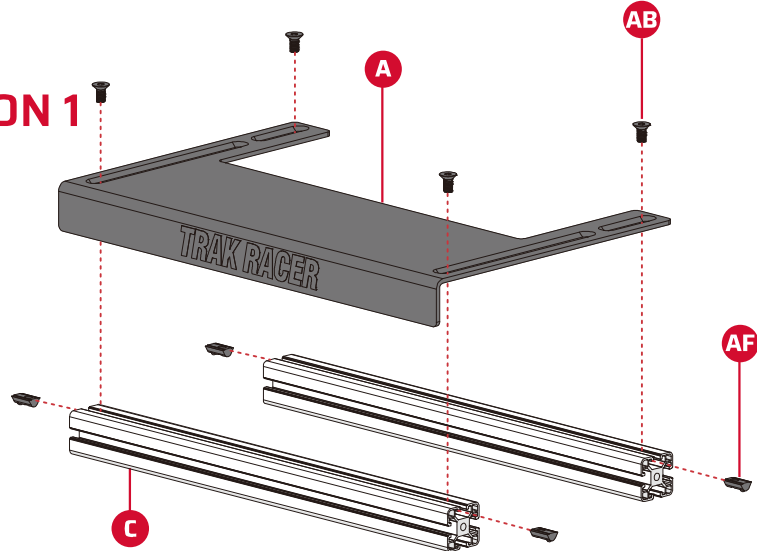


02

SUPPLIED			
A X1  TR80-HP-01	C X2  TR-4040-480	AF X4  NS-M8	AB X4  SF-M8-16

a

OPTION 1



ASSEMBLY INSTRUCTIONS

TR120S--TR80-PBAL2

03

SUPPLIED

B X2

TR80-PPSM

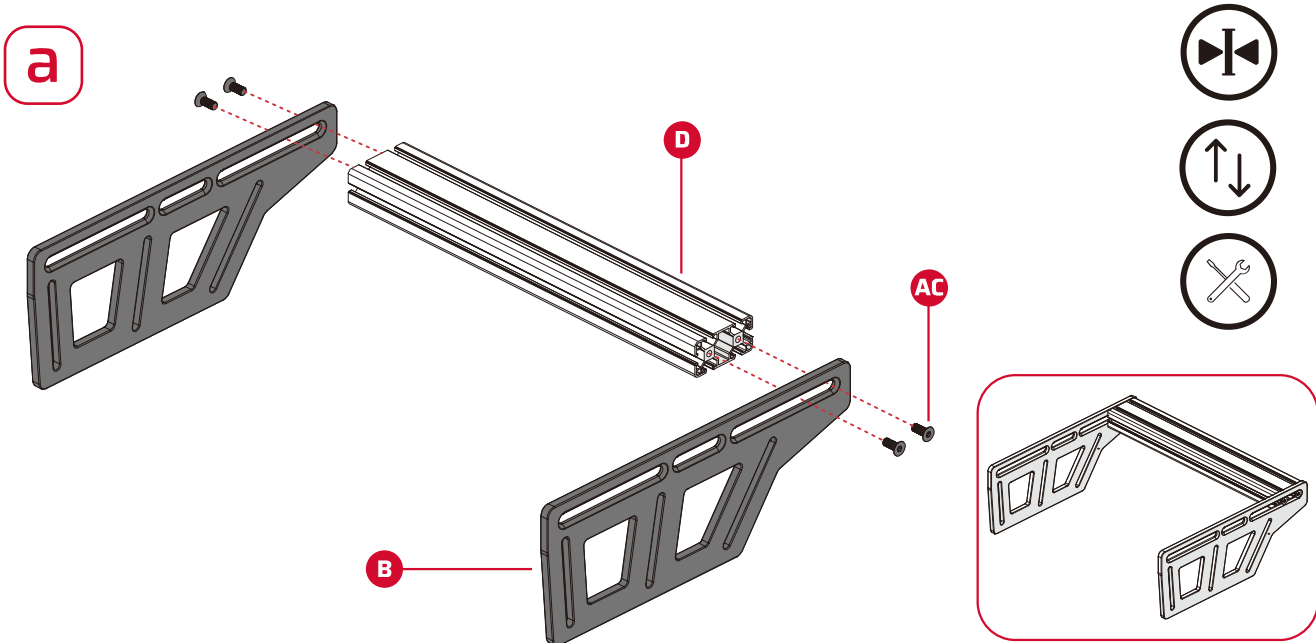
D X1

TR-8040-480

AC X4

SF-M8-20

a



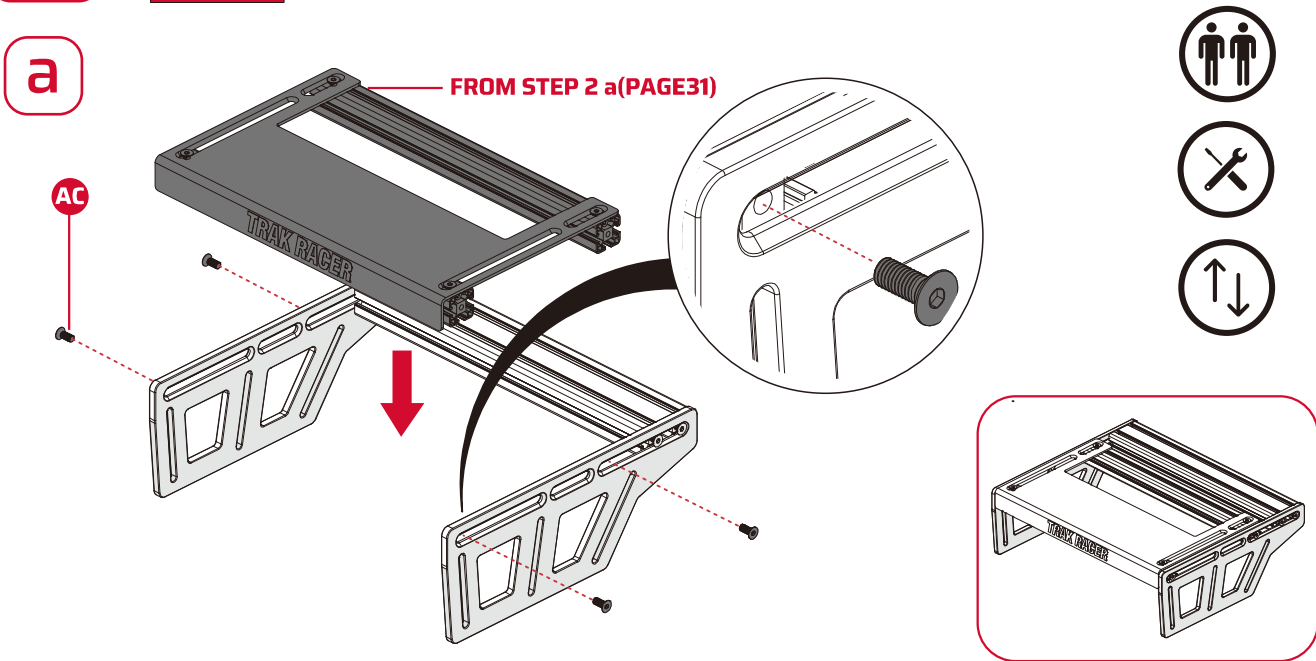
04

SUPPLIED

AC X4

SF-M8-20

a



ASSEMBLY INSTRUCTIONS

TR120S--TR80-PBAL2

05

SUPPLIED

AK X4

WL-M8

AI X4

WF-M8-20

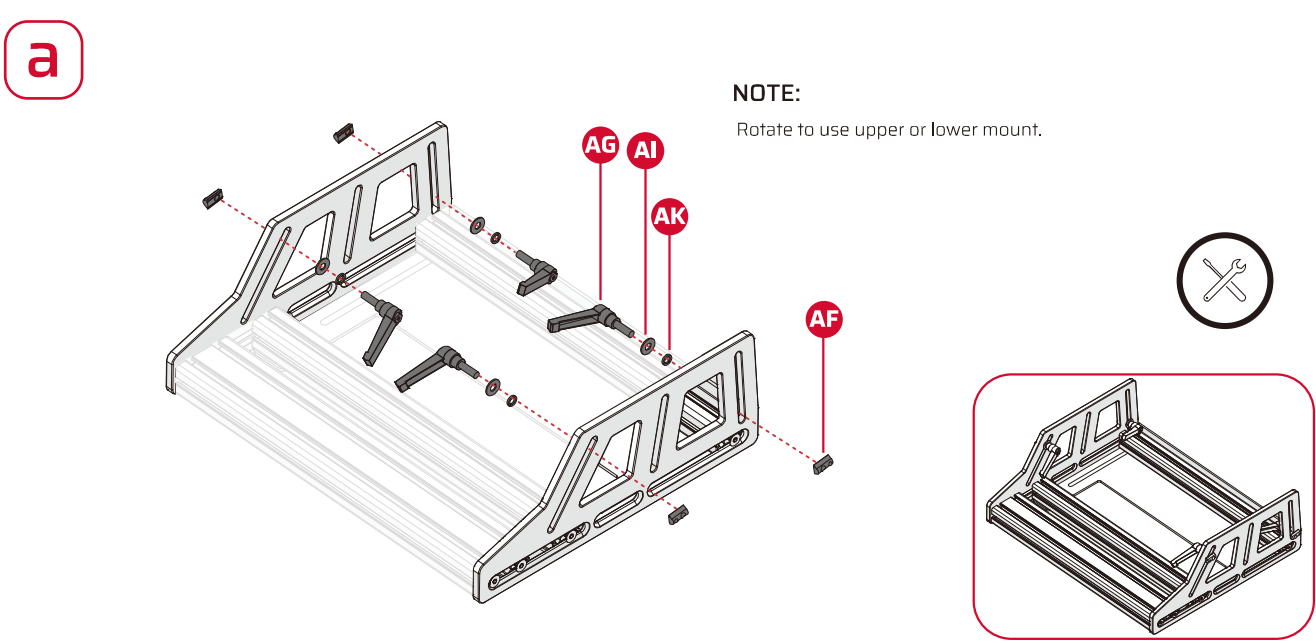
AG X4

OHK-M8-25

AF X4

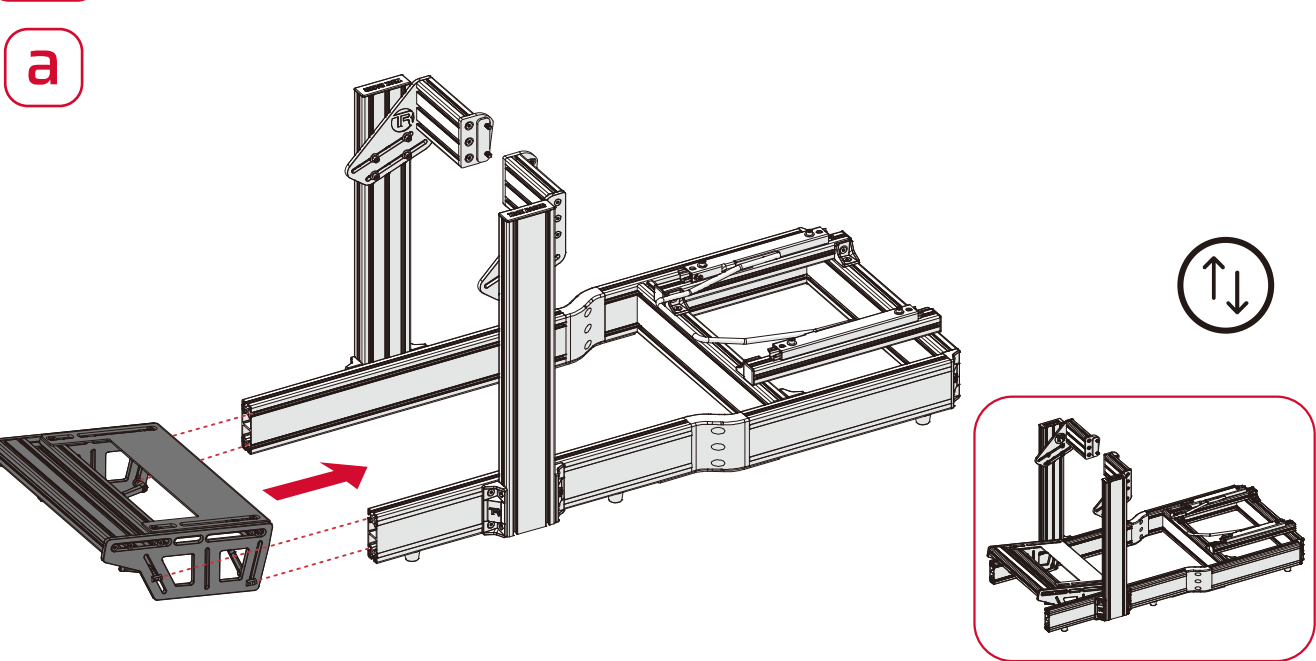
NS-M8

a



06

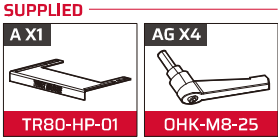
a



ASSEMBLY INSTRUCTIONS

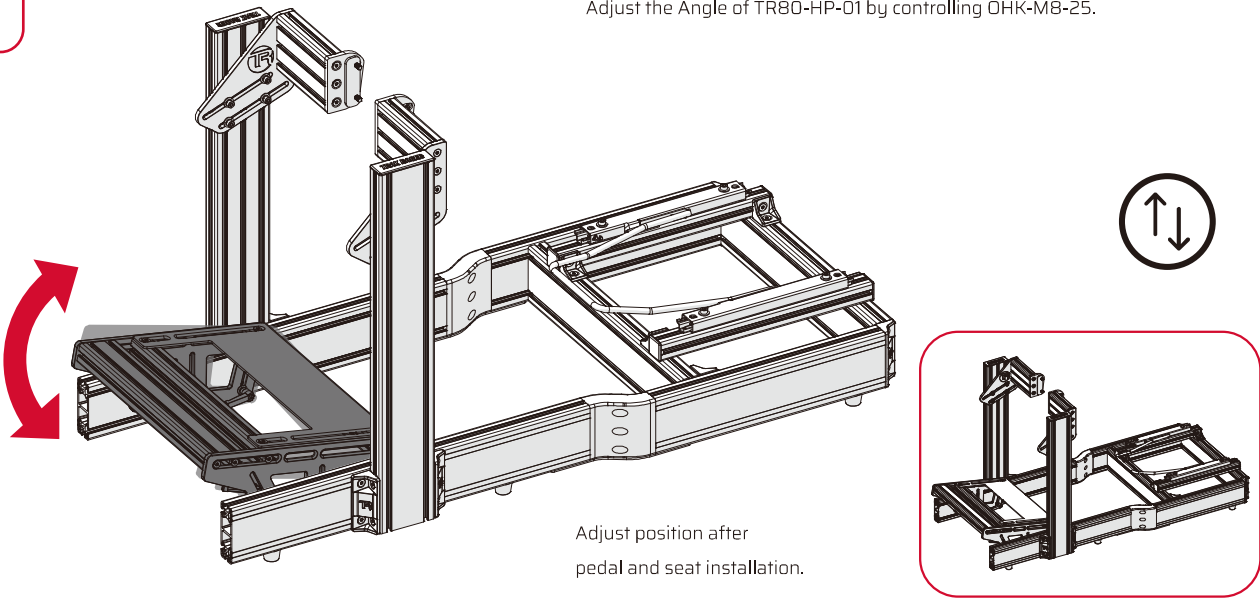
TR120S--TR80-PBAL2

07

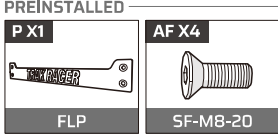


a

NOTE:
Adjust the Angle of TR80-HP-01 by controlling OHK-M8-25.

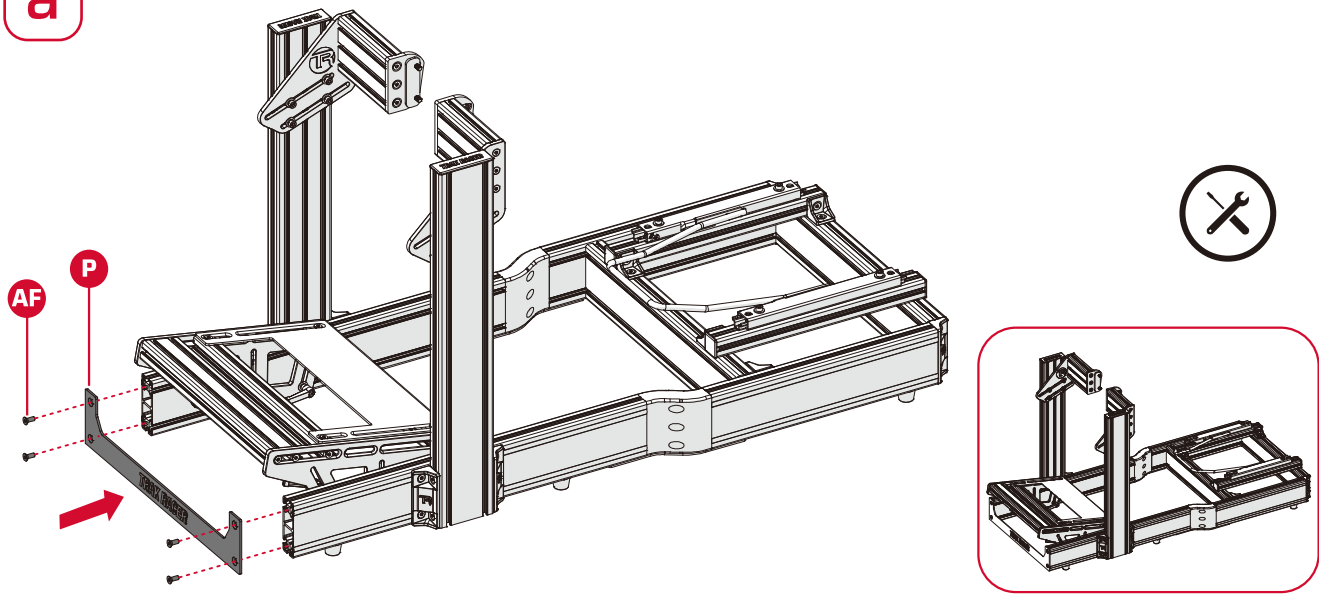


08



a

Tighten all the screws.



ASSEMBLY INSTRUCTIONS

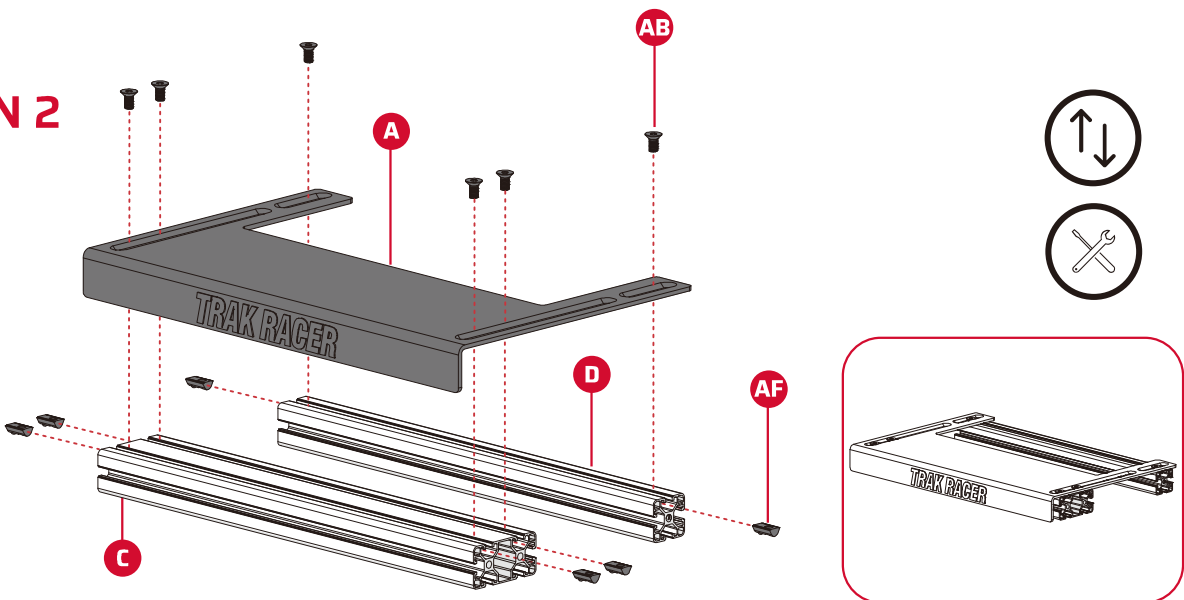
TR120S--TR80-PBAL2

02



b

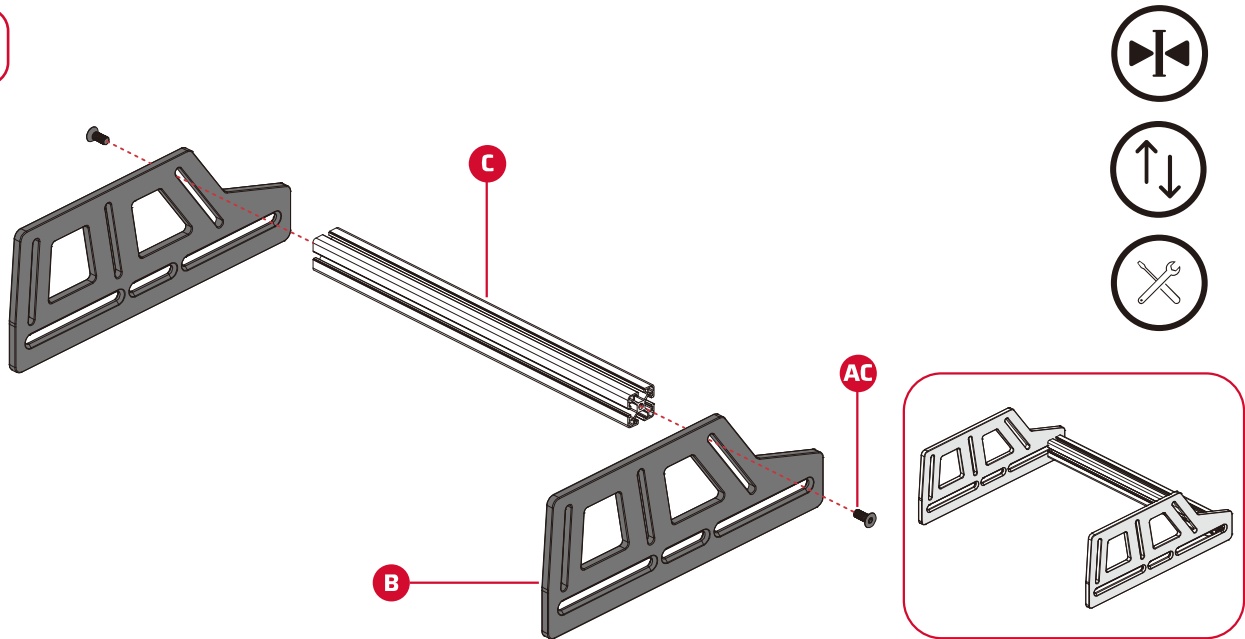
OPTION 2



03



b



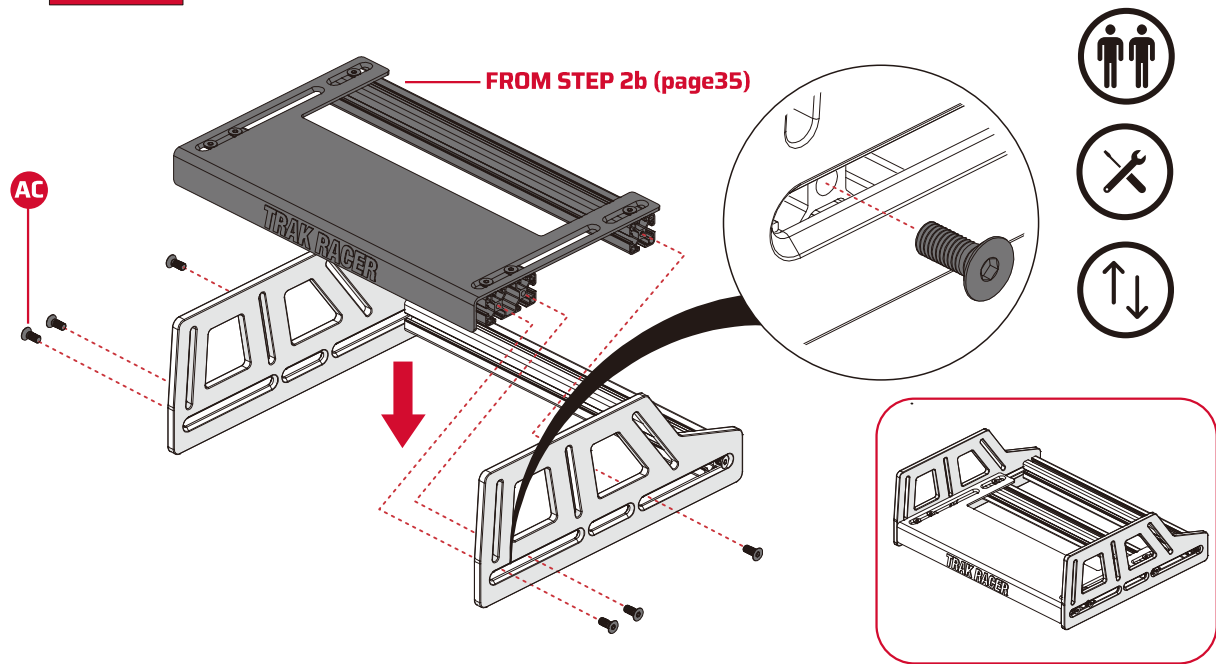
ASSEMBLY INSTRUCTIONS

TR120S--TR80-PBAL2

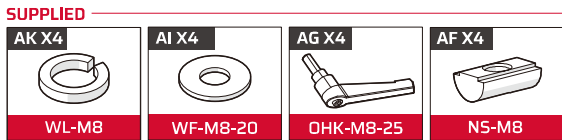
04



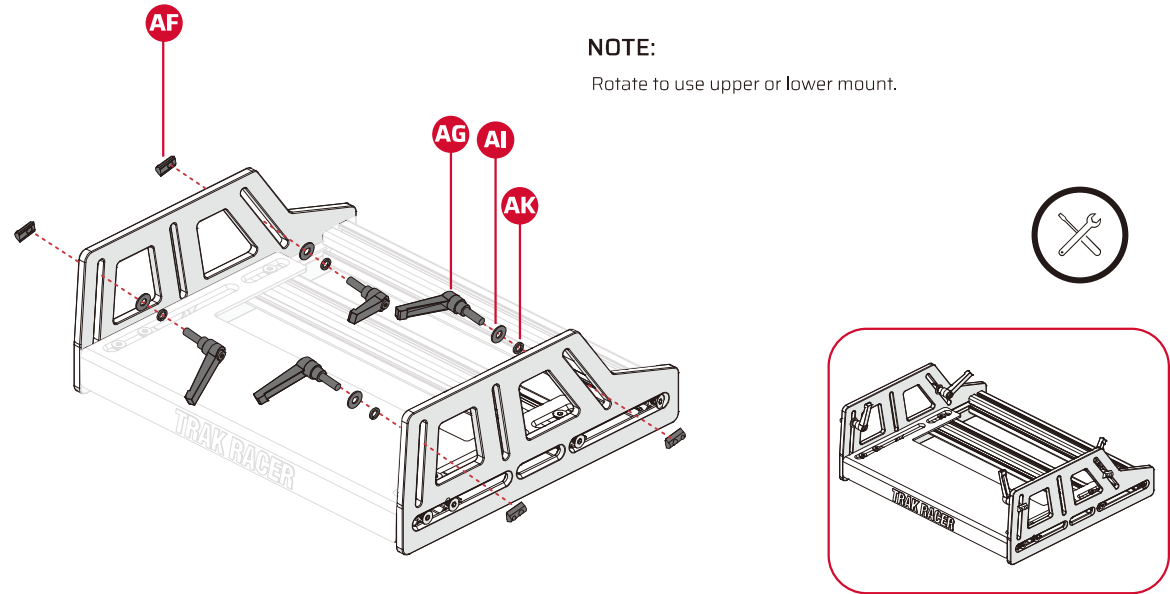
b



05



b

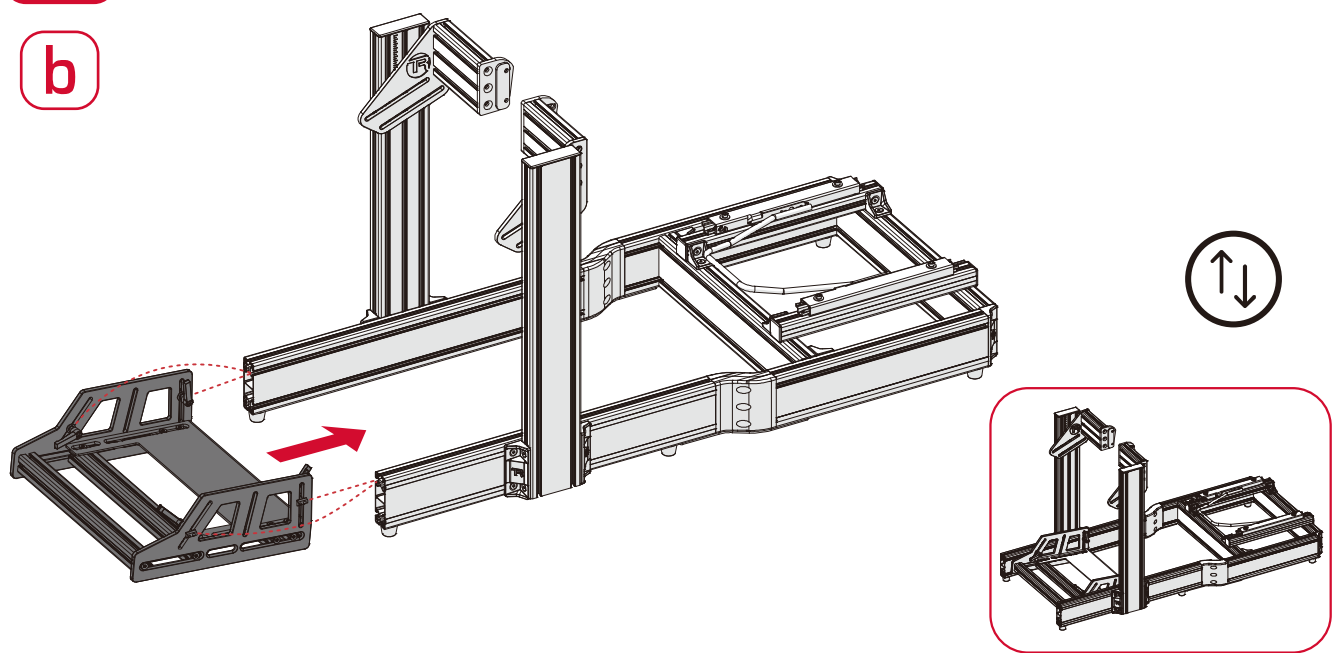


ASSEMBLY INSTRUCTIONS

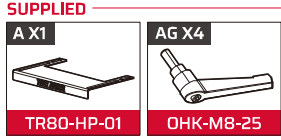
TR120S--TR80-PBAL2

06

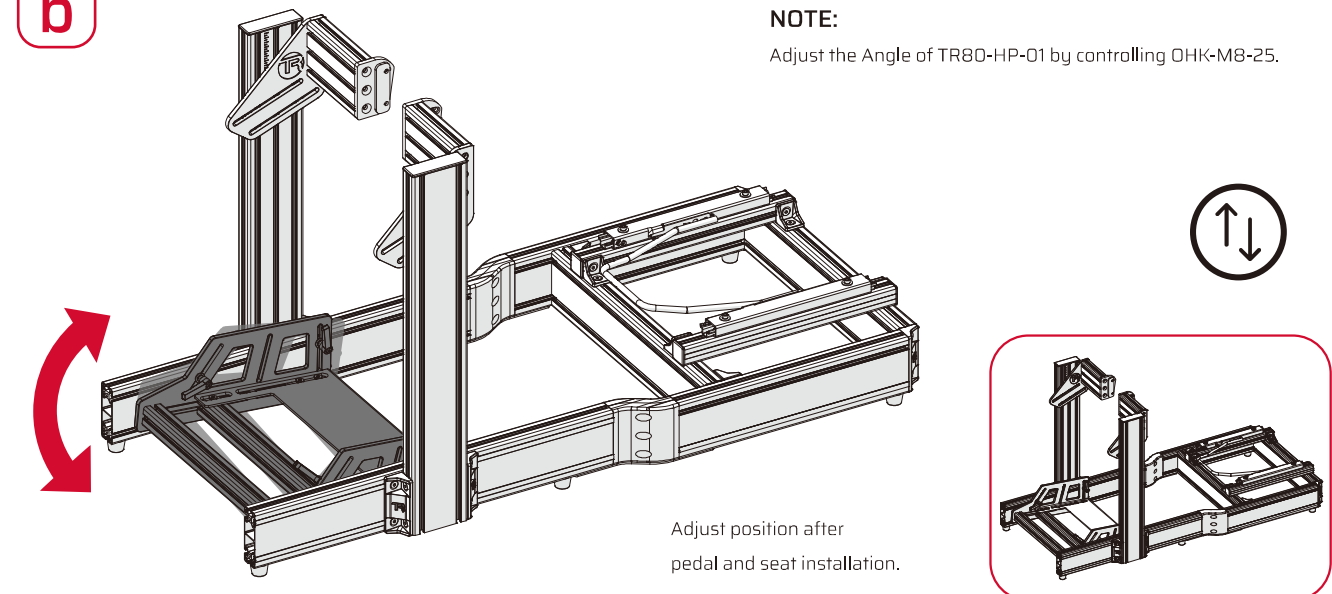
b



07



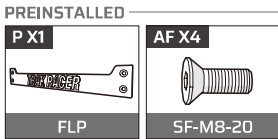
b



ASSEMBLY INSTRUCTIONS

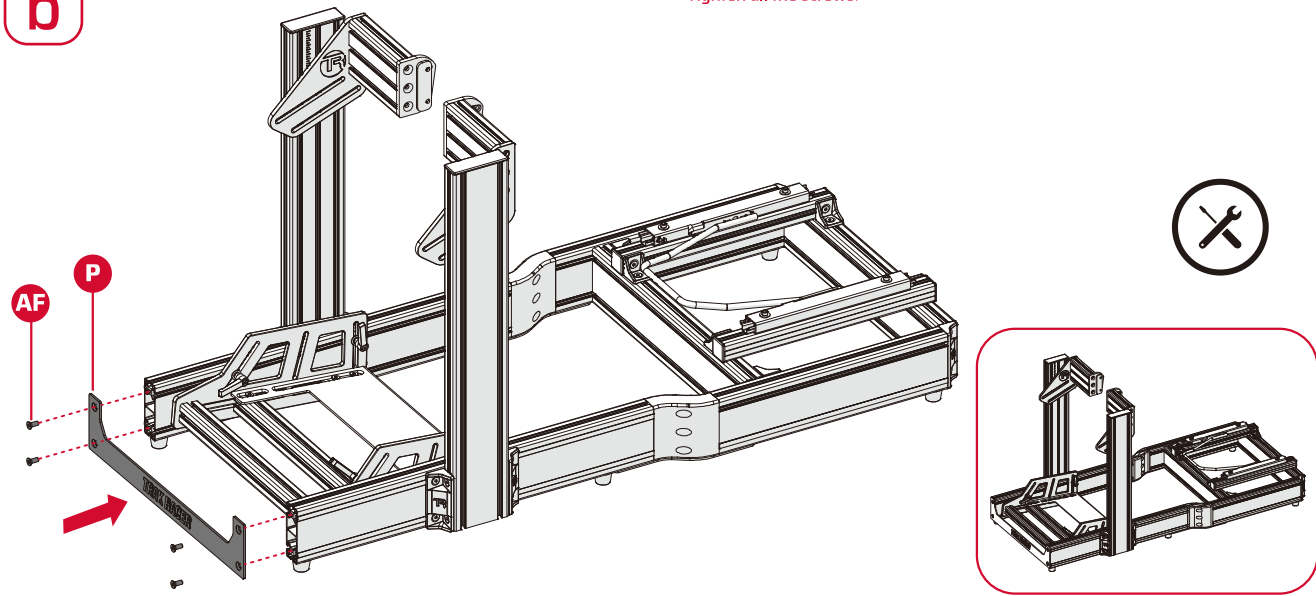
TR120S--TR80-PBAL2

08



b

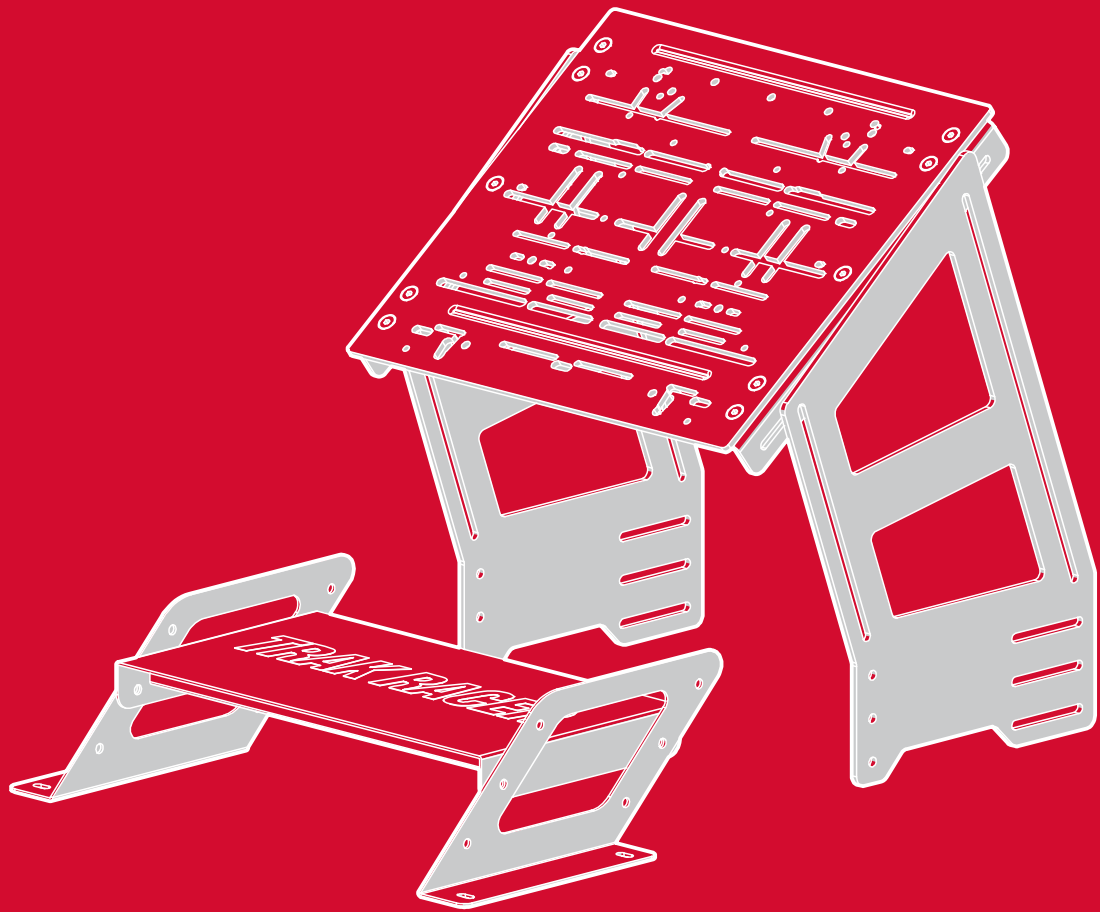
Tighten all the screws.



NOTE:

After installing the pedal, you can also proceed with the installation from step 17 on page 15.

FINISHED PRODUCT



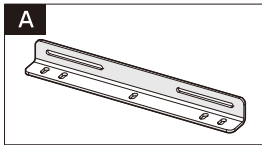
BRAKE PEDAL

Assembly Guide

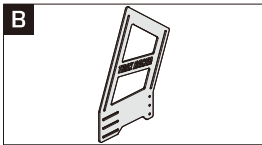
TR80-HYPL2

TR80-HYPL2 PART LIST

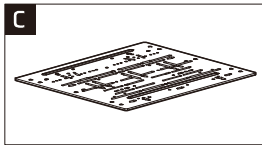
ACCESSORIES (NOTE: Extra hardware may be included as spare parts)



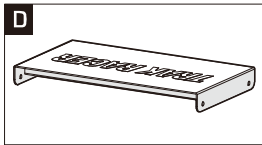
Pedal Plate Connector
TR80-PPC **X2**



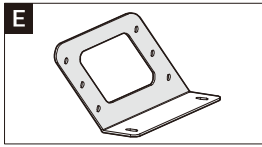
Pedal Plate Side Mount
TR80-PPSM-02 **X2**



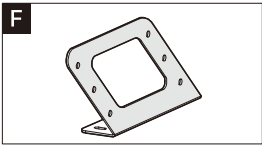
Pedal Plate
TR80-PP **X1**



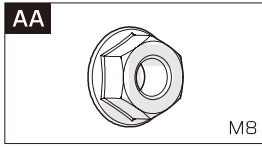
Hybrid Heel Plate
TR80-HHP-01 **X1**



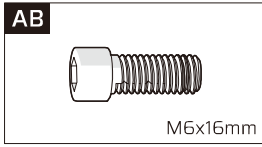
Hybrid Pedal Side Plate
TR80-HPSP-01 **X1**



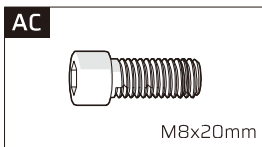
Hybrid Pedal Side Plate
TR80-HPSP-02 **X1**



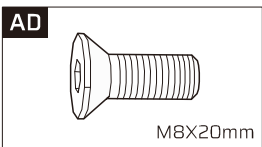
Flange Nut
NF-M8 **X26**



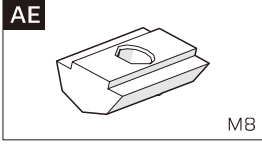
Hex Screw
SH-M6-16 **X4**



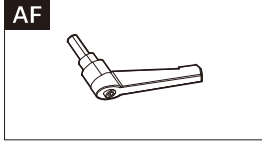
Hex Screw
SH-M8-20 **X16**



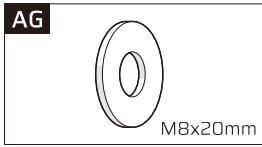
Screw (Flat)
SF-M8-20 **X18**



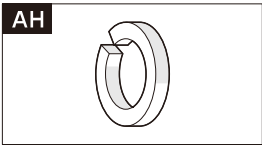
Ball Bearing Nut
NS-M8 **X12**



Offset Hex Key
OHK-M8-25 **X4**



Washer (Flat)
WF-M8-20 **X16**



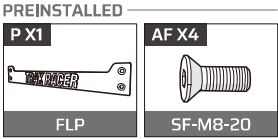
Lock Washer
WL-M8 **X16**

NOTE:
Use screws and washers included in the TR1205 assembly.

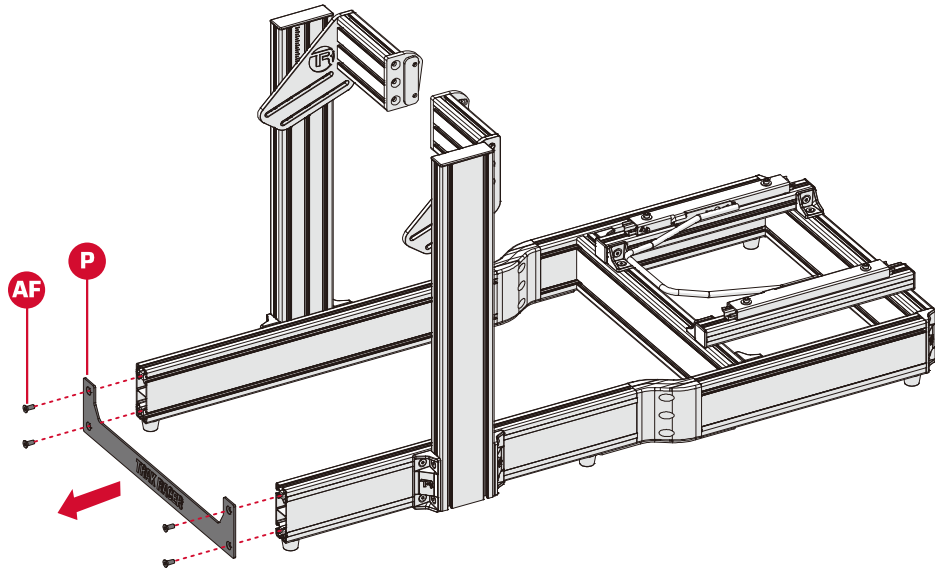
ASSEMBLY INSTRUCTIONS

TR1205--TR80-HYPL2

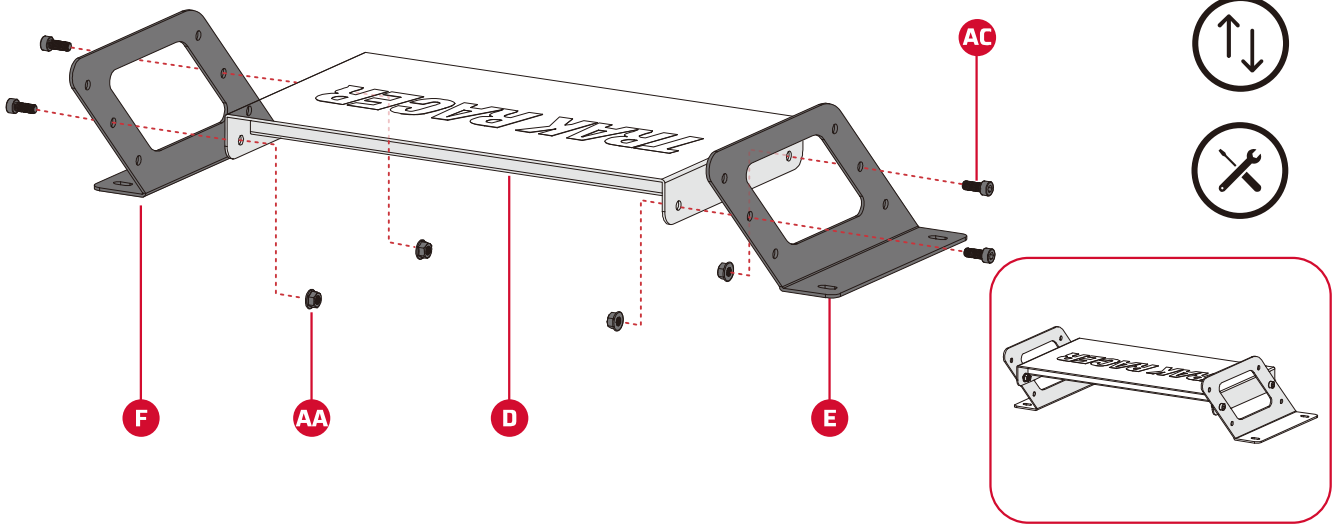
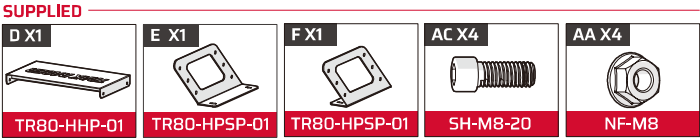
01



NOTE:
This step can also be changed to start after Step 16 on page 15.



02



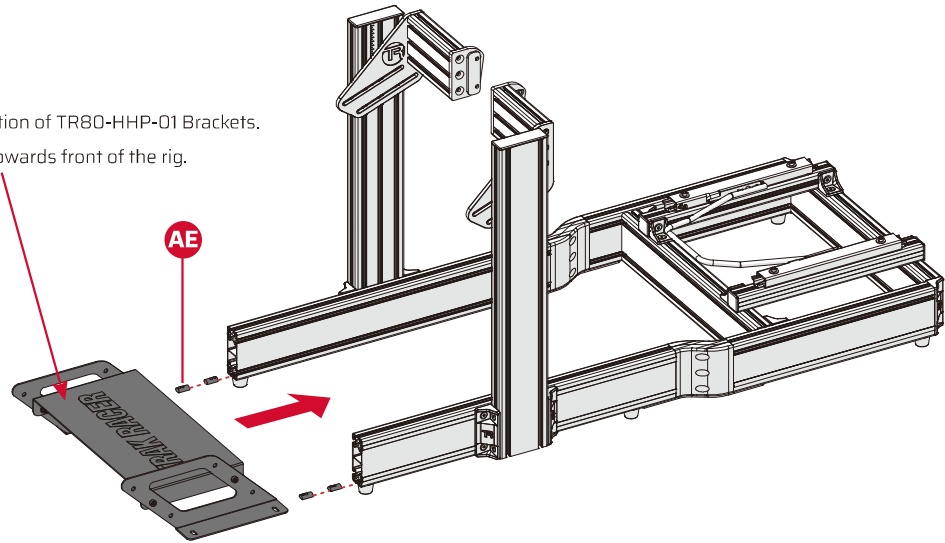
ASSEMBLY INSTRUCTIONS

TR120S--TR80-HYPL2

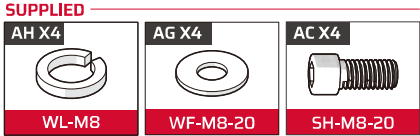
03



Take note of orientation of TR80-HHP-01 Brackets. They should slope towards front of the rig.

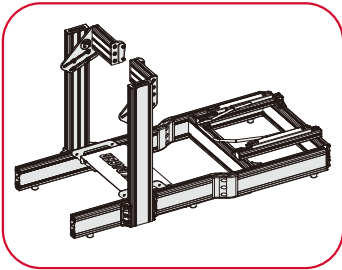
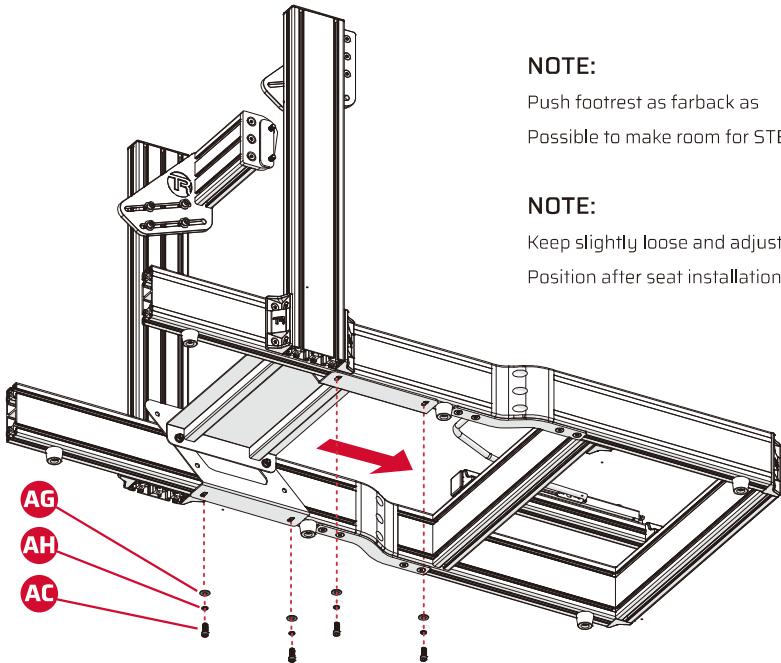


04



NOTE:
Push footrest as far back as possible to make room for STEP5.

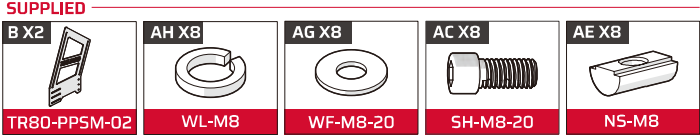
NOTE:
Keep slightly loose and adjust position after seat installation.



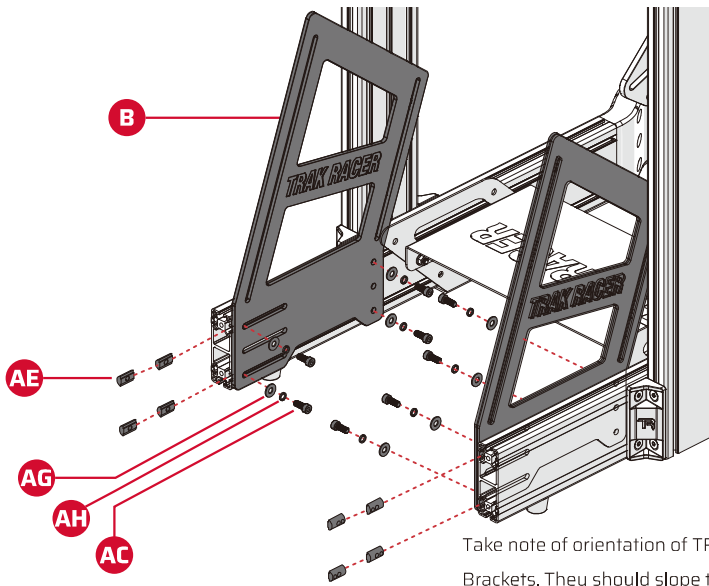
ASSEMBLY INSTRUCTIONS

TR120S--TR80-HYPL2

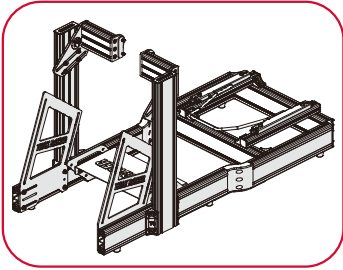
05



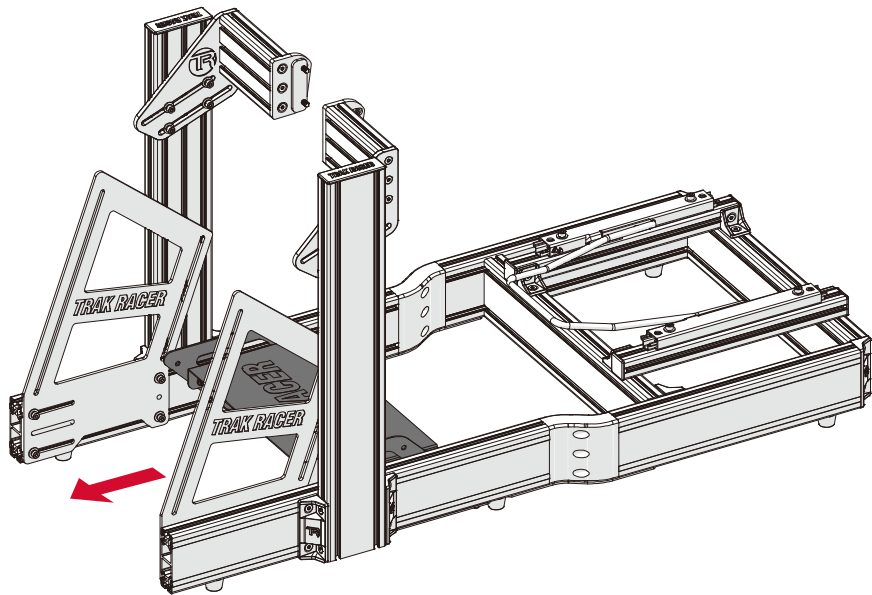
NOTE:
Keep slightly loose and adjust position after seat installation.



Take note of orientation of TR80-PPSM-02 Brackets. They should slope towards front of the rig.



06

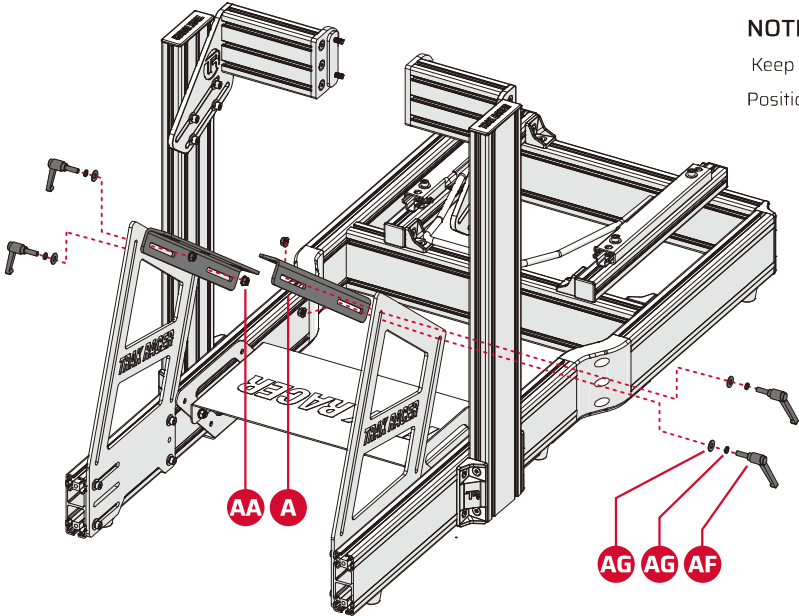


ASSEMBLY INSTRUCTIONS

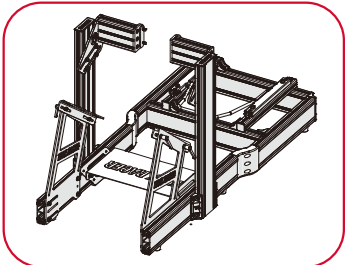
TR120S--TR80-HYPL2

07

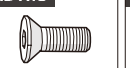
SUPPLIED				
A X2	AH X4	AG X4	AF X4	AA X4
				
TR80-PPC	WL-M8	WF-M8-20	OHK-M8-25	NF-M8

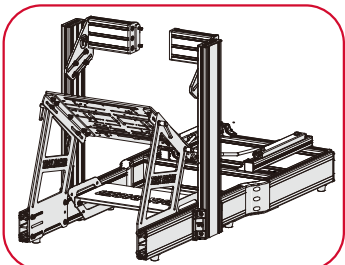
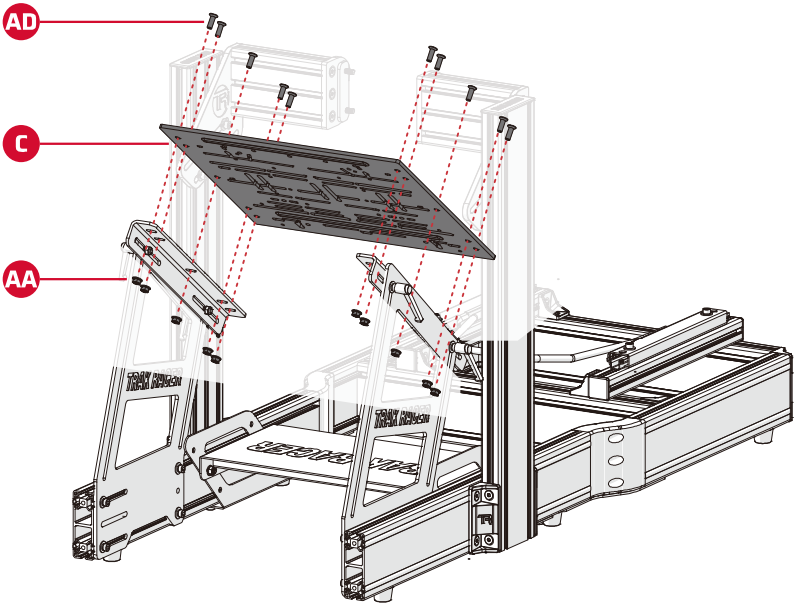


NOTE:
Keep slightly loose and adjust
Position after seat installation.



08

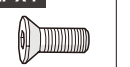
SUPPLIED		
C X1	AD X10	AA X10
		
TR80-PP	SF-M8-20	NF-M8

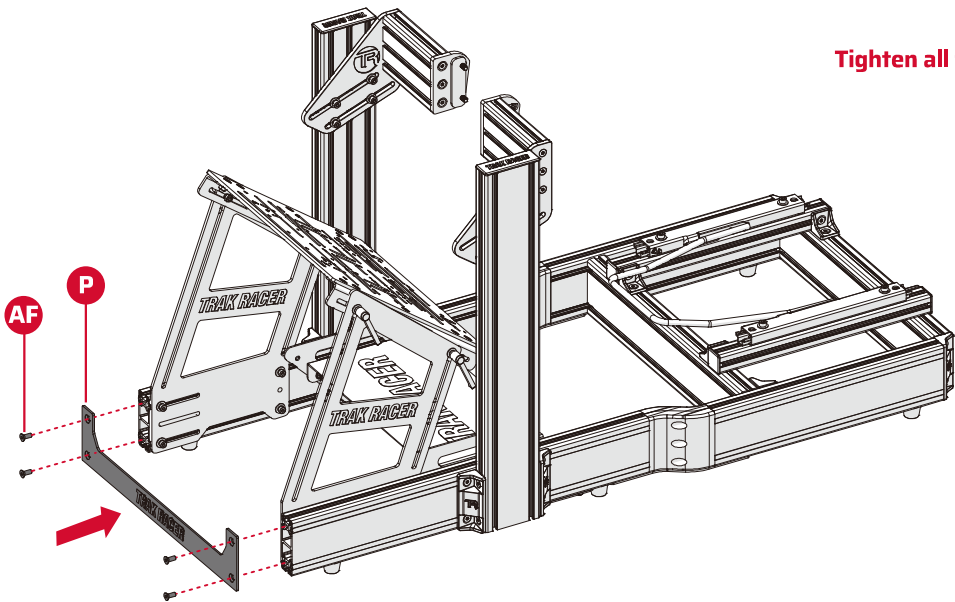


ASSEMBLY INSTRUCTIONS

TR120S--TR80-HYPL2

09

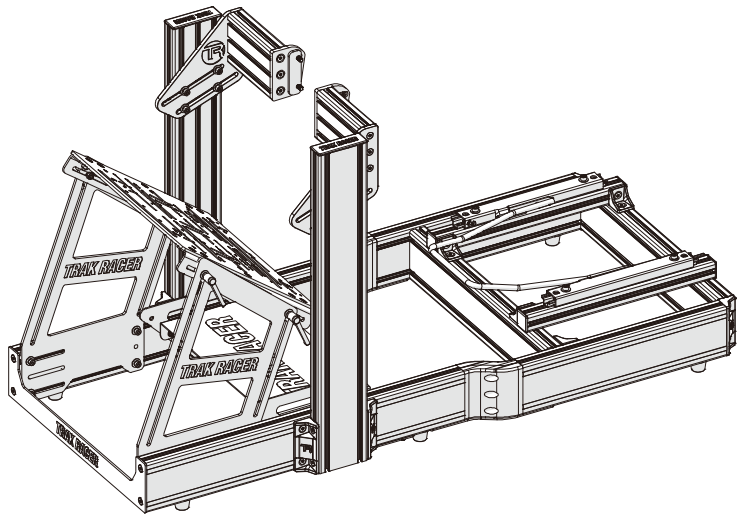
PREINSTALLED	
P X1	AF X4
	
FLP	SF-M8-20



Tighten all the screws.



NOTE:
After installing the pedal, you can also proceed with the installation from step 17 on page 15.



FINISHED PRODUCT